

Global Reference List of Chemically Defined Substances

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Name	CAS	JECFA	JECFA - Safety Status (Link to WHO Database)	FEMA	FEMA - Safety Status (Link to FEMA Flavor Library)	FL. No	EFSA - Safety Status (Link to EFSA Database)
Allyl propionate	2408-20-0	0001	Evaluated - No safety concern	2040	GRAS List 3	09.233	No need for evaluation (Genotoxicity cleared)
Allyl butyrate	2051-78-7	0002	Evaluated - No safety concern	2021	GRAS List 3 (25)	09.054	No need for evaluation (Genotoxicity cleared)
Allyl hexanoate	123-68-2	0003	Evaluated - No safety concern	2032	GRAS List 3	09.244	No need for evaluation (Genotoxicity cleared)
Allyl heptanoate	142-19-8	0004	Evaluated - No safety concern	2031	GRAS List 3	09.097	No need for evaluation (Genotoxicity cleared)
Allyl octanoate	4230-97-1	0005	Evaluated - No safety concern	2037	GRAS List 3	09.119	No need for evaluation (Genotoxicity cleared)
Allyl nonanoate	7493-72-3	0006	Evaluated - No safety concern	2036	GRAS List 3	09.109	No need for evaluation (Genotoxicity cleared)
Allyl isovalerate	2835-39-4	0007	Evaluated - No safety concern	2045	GRAS List 3 (25)	09.489	No need for evaluation (Genotoxicity cleared)
Allyl sorbate	7493-75-6; 30895-79-5	0008	Evaluated - No safety concern	2041	GRAS List 3	09.312	No need for evaluation (Genotoxicity cleared)
Allyl 10-undecenoate	7493-76-7	0009	Evaluated - No safety concern	2044	GRAS List 3	09.146	No need for evaluation (Genotoxicity cleared)
Allyl tiglate	7493-71-2	0010	Evaluated - No safety concern	2043	GRAS List 3	09.493	No need for evaluation (Genotoxicity cleared)
Allyl 2-ethylbutyrate	7493-69-8	0011	Evaluated - No safety concern	2029	GRAS List 3	09.410	No need for evaluation (Genotoxicity cleared)
Allyl cyclohexane acetate	4728-82-9	0012	Evaluated - No safety concern	2023	GRAS List 3	09.482	No need for evaluation (Genotoxicity cleared)
Allyl cyclohexane propionate	2705-87-5	0013	Evaluated - No safety concern	2026	GRAS List 3	09.498	No need for evaluation (Genotoxicity cleared)
Allyl cyclohexane butyrate	7493-65-4	0014	Evaluated - No safety concern	2024	GRAS List 3	09.411	No need for evaluation (Genotoxicity cleared)
Allyl cyclohexanevalerate	7493-68-7	0015	Evaluated - No safety concern	2027	GRAS List 3	09.469	No need for evaluation (Genotoxicity cleared)
Allyl cyclohexane hexanoate	7493-66-5	0016	Evaluated - No safety concern	2025	GRAS List 3 (25)	09.492	No need for evaluation (Genotoxicity cleared)
Allyl phenylacetate	1797-74-6	0017	Evaluated - No safety concern	2039	GRAS List 3	09.790	No need for evaluation (Genotoxicity cleared)
Allyl phenoxyacetate	7493-74-5	0018	Evaluated - No safety concern	2038	GRAS List 3 (25)	09.701	No need for evaluation (Genotoxicity cleared)
Allyl cinnamate	1866-31-5	0019	Evaluated - No safety concern	2022	GRAS List 3	09.741	No need for evaluation (Genotoxicity cleared)
Allyl anthranilate	7493-63-2	0020	Evaluated - No safety concern	2020	GRAS List 3	09.719	No need for evaluation (Genotoxicity cleared)
Allyl 2-furoate	4208-49-5	0021	Evaluated - No safety concern	2030	GRAS List 3		No longer supported for evaluation
Benzaldehyde	100-52-7	0022	Evaluated - No safety concern	2127	GRAS List 3	05.013	Evaluated - No safety concern
Benzyl acetate	140-11-4	0023	Evaluated - No safety concern	2135	GRAS List 3	09.014	Evaluated - No safety concern
Benzyl benzoate	120-51-4	0024	Evaluated - No safety concern	2138	GRAS List 3	09.727	Evaluated - No safety concern
Benzyl alcohol	100-51-6	0025	Evaluated - No safety concern	2137	GRAS List 3	02.010	Evaluated - No safety concern
Ethyl formate	109-94-4	0026	Evaluated - No safety concern	2434	GRAS List 3	09.072	No need for evaluation
Ethyl acetate	141-78-6	0027	Evaluated - No safety concern	2414	GRAS List 3 (29)	09.001	No need for evaluation
Ethyl propionate	105-37-3	0028	Evaluated - No safety concern	2456	GRAS List 3	09.121	No need for evaluation
Ethyl butyrate	105-54-4	0029	Evaluated - No safety concern	2427	GRAS List 3	09.039	No need for evaluation

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Name	CAS	JECFA	JECFA - Safety Status (Link to WHO Database)	FEMA	FEMA - Safety Status (Link to FEMA Flavor Library)	FL. No	EFSA - Safety Status (Link to EFSA Database)
Ethyl pentanoate	539-82-2	0030	Evaluated - No safety concern	2462	GRAS List 3	09.147	No need for evaluation
Ethyl hexanoate	123-66-0	0031	Evaluated - No safety concern	2439	GRAS List 3	09.060	No need for evaluation
Ethyl heptanoate	106-30-9	0032	Evaluated - No safety concern	2437	GRAS List 3	09.093	No need for evaluation
Ethyl octanoate	106-32-1	0033	Evaluated - No safety concern	2449	GRAS List 3 (25)	09.111	No need for evaluation
Ethyl nonanoate	123-29-5	0034	Evaluated - No safety concern	2447	GRAS List 3	09.107	No need for evaluation
Ethyl decanoate	110-38-3	0035	Evaluated - No safety concern	2432	GRAS List 3 (25)	09.059	No need for evaluation
Ethyl undecanoate	627-90-7	0036	Evaluated - No safety concern	3492	GRAS List 10	09.274	No need for evaluation
Ethyl dodecanoate	106-33-2	0037	Evaluated - No safety concern	2441	GRAS List 3	09.099	No need for evaluation
Ethyl tetradecanoate	124-06-1	0038	Evaluated - No safety concern	2445	GRAS List 3	09.104	No need for evaluation
Ethyl hexadecanoate	628-97-7	0039	Evaluated - No safety concern	2451	GRAS List 3 (30)	09.193	No need for evaluation
Ethyl octadecanoate	111-61-5	0040	Evaluated - No safety concern	3490	GRAS List 10	09.210	No need for evaluation
Ethanol	64-17-5	0041	Evaluated - No safety concern	2419	GRAS List 3	02.078	No need for evaluation
Isoamyl formate	110-45-2	0042	Evaluated - No safety concern	2069	GRAS List 3	09.162	No need for evaluation
Pentyl acetate	628-63-7	0043	Evaluated - No safety concern	2055	GRAS List 3	09.021	No need for evaluation
Isoamyl acetate	123-92-2	0043	Evaluated - No safety concern	2055	GRAS List 3	09.024	No need for evaluation
Isoamyl propionate	105-68-0	0044	Evaluated - No safety concern	2082	GRAS List 3	09.136	No need for evaluation
Isoamyl butyrate	106-27-4	0045	Evaluated - No safety concern	2060	GRAS List 3	09.055	No need for evaluation
Isoamyl hexanoate	2198-61-0	0046	Evaluated - No safety concern	2075	GRAS List 3	09.070	No need for evaluation
Isoamyl octanoate	2035-99-6	0047	Evaluated - No safety concern	2080	GRAS List 3 (25)	09.120	No need for evaluation
Isoamyl nonanoate	7779-70-6	0048	Evaluated - No safety concern	2078	GRAS List 3	09.110	No need for evaluation
Isoamyl isobutyrate	2050-01-3	0049	Evaluated - No safety concern	3507	GRAS List 10	09.419	No need for evaluation
Isoamyl isovalerate	659-70-1	0050	Evaluated - No safety concern	2085	GRAS List 3	09.463	No need for evaluation
Isoamyl 2-methylbutyrate	27625-35-0	0051	Evaluated - No safety concern	3505	GRAS List 10	09.530	No need for evaluation
Isoamyl alcohol	123-51-3	0052	Evaluated - No safety concern	2057	GRAS List 3 (29)	02.003	No need for evaluation
Citronellyl formate	105-85-1	0053	Evaluated - No safety concern	2314	GRAS List 3 (25)	09.078	No need for evaluation
Geranyl formate	105-86-2	0054	Evaluated - No safety concern	2514	GRAS List 3	09.076	Evaluated - No safety concern
Neryl formate	2142-94-1	0055	Evaluated - No safety concern	2776	GRAS List 3 (25)	09.212	Evaluated - No safety concern
Rhodinyl formate	141-09-3	0056	Evaluated - No safety concern	2984	GRAS List 3 (25)	09.079	No need for evaluation
Citronellyl acetate	150-84-5	0057	Evaluated - No safety concern	2311	GRAS List 3	09.012	No need for evaluation
Geranyl acetate	105-87-3	0058	Evaluated - No safety concern	2509	GRAS List 3	09.011	Evaluated - No safety concern
Neryl acetate	141-12-8	0059	Evaluated - No safety concern	2773	GRAS List 3 (25)	09.213	Evaluated - No safety concern
Rhodinyl acetate	141-11-7	0060	Evaluated - No safety concern	2981	GRAS List 3	09.033	No need for evaluation
Citronellyl propionate	141-14-0	0061	Evaluated - No safety concern	2316	GRAS List 3 (25)	09.129	No need for evaluation
Geranyl propionate	105-90-8	0062	Evaluated - No safety concern	2517	GRAS List 3	09.128	Evaluated - No safety concern
Neryl propionate	105-91-9	0063	Evaluated - No safety concern	2777	GRAS List 3	09.169	Evaluated - No safety concern
Rhodinyl propionate	105-89-5	0064	Evaluated - No safety concern	2986	GRAS List 3	09.141	No need for evaluation
Citronellyl butyrate	141-16-2	0065	Evaluated - No safety concern	2312	GRAS List 3	09.049	No need for evaluation
Geranyl butyrate	106-29-6	0066	Evaluated - No safety concern	2512	GRAS List 3	09.048	Evaluated - No safety concern
Neryl butyrate	999-40-6	0067	Evaluated - No safety concern	2774	GRAS List 3 (25)	09.167	Evaluated - No safety concern
Rhodinyl butyrate	141-15-1	0068	Evaluated - No safety concern	2982	GRAS List 3	09.927	No need for evaluation
Citronellyl valerate	7540-53-6	0069	Evaluated - No safety concern	2317	GRAS List 3	09.151	No need for evaluation
Geranyl hexanoate	10032-02-7	0070	Evaluated - No safety concern	2515	GRAS List 3 (25)	09.067	Evaluated - No safety concern
Citronellyl isobutyrate	97-89-2	0071	Evaluated - No safety concern	2313	GRAS List 3 (25)	09.421	No need for evaluation
Geranyl isobutyrate	2345-26-8	0072	Evaluated - No safety concern	2513	GRAS List 3 (25)	09.431	Evaluated - No safety concern
Neryl isobutyrate	2345-24-6	0073	Evaluated - No safety concern	2775	GRAS List 3 (25)	09.424	Evaluated - No safety concern
Rhodinyl isobutyrate	138-23-8	0074	Evaluated - No safety concern	2983	GRAS List 3	09.940	No need for evaluation
Geranyl isovalerate	109-20-6	0075	Evaluated - No safety concern	2518	GRAS List 3	09.453	Evaluated - No safety concern
Neryl isovalerate	3915-83-1	0076	Evaluated - No safety concern	2778	GRAS List 3 (25)	09.471	Evaluated - No safety concern
Rhodinyl isovalerate	7778-96-3	0077	Evaluated - No safety concern	2987	GRAS List 3	09.465	No need for evaluation
Dimethyl-2,6-octadien-1-yl 2-ethylbutanoate	73019-14-4	0078	Evaluated - No safety concern	3339	GRAS List 6	09.515	Evaluated - No safety concern

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Formic acid	64-18-6	0079	Evaluated - No safety concern	2487	GRAS List 3 (25)	08.001	No need for evaluation
Acetaldehyde	75-07-0	0080	Evaluated - No safety concern	2003	GRAS List 3 (25)	05.001	No need for evaluation
Acetic acid	64-19-7	0081	Evaluated - No safety concern	2006	GRAS List 3 (29)	08.002	No need for evaluation
Propyl alcohol	71-23-8	0082	Evaluated - No safety concern	2928	GRAS List 3 (25)	02.002	No need for evaluation
Propionaldehyde	123-38-6	0083	Evaluated - No safety concern	2923	GRAS List 3 (25)	05.002	No need for evaluation
Propionic acid	79-09-4	0084	Evaluated - No safety concern	2924	GRAS List 3 (29)	08.003	No need for evaluation
Butyl alcohol	71-36-3	0085	Evaluated - No safety concern	2178	GRAS List 3 (25)	02.004	No need for evaluation
Butyraldehyde	123-72-8	0086	Evaluated - No safety concern	2219	GRAS List 3 (25)	05.003	No need for evaluation
Butyric acid	107-92-6	0087	Evaluated - No safety concern	2221	GRAS List 3 (29)	08.005	No need for evaluation
Amyl alcohol	71-41-0	0088	Evaluated - No safety concern	2056	GRAS List 3	02.040	No need for evaluation
Valeraldehyde	110-62-3	0089	Evaluated - No safety concern	3098	GRAS List 3	05.005	No need for evaluation
Valeric acid	109-52-4	0090	Evaluated - No safety concern	3101	GRAS List 3	08.007	No need for evaluation
Hexyl alcohol	111-27-3	0091	Evaluated - No safety concern	2567	GRAS List 3	02.005	No need for evaluation
Hexanal	66-25-1	0092	Evaluated - No safety concern	2557	GRAS List 3 (25)	05.008	No need for evaluation
Hexanoic acid	142-62-1	0093	Evaluated - No safety concern	2559	GRAS List 3 (29)	08.009	No need for evaluation
Heptyl alcohol	111-70-6	0094	Evaluated - No safety concern	2548	GRAS List 3	02.021	No need for evaluation
Heptanal	111-71-7	0095	Evaluated - No safety concern	2540	GRAS List 3	05.031	No need for evaluation
Heptanoic acid	111-14-8	0096	Evaluated - No safety concern	3348	GRAS List 6	08.028	No need for evaluation
1-Octanol	111-87-5	0097	Evaluated - No safety concern	2800	GRAS List 3	02.006	No need for evaluation
Octanal	124-13-0	0098	Evaluated - No safety concern	2797	GRAS List 3	05.009	No need for evaluation
Octanoic acid	124-07-2	0099	Evaluated - No safety concern	2799	GRAS List 3 (29)	08.010	No need for evaluation
Nonyl alcohol	143-08-8	0100	Evaluated - No safety concern	2789	GRAS List 3	02.007	No need for evaluation
Nonanal	124-19-6	0101	Evaluated - No safety concern	2782	GRAS List 3	05.025	No need for evaluation
Nonanoic acid	112-05-0	0102	Evaluated - No safety concern	2784	GRAS List 3	08.029	No need for evaluation
1-Decanol	112-30-1	0103	Evaluated - No safety concern	2365	GRAS List 3	02.024	No need for evaluation
Decanal	112-31-2	0104	Evaluated - No safety concern	2362	GRAS List 3	05.010	No need for evaluation
Decanoic acid	334-48-5	0105	Evaluated - No safety concern	2364	GRAS List 3 (29)	08.011	No need for evaluation
Undecyl alcohol	112-42-5	0106	Evaluated - No safety concern	3097	GRAS List 3 (25)	02.057	No need for evaluation
Undecanal	112-44-7	0107	Evaluated - No safety concern	3092	GRAS List 3 (25)	05.034	No need for evaluation
Undecanoic acid	112-37-8	0108	Evaluated - No safety concern	3245	GRAS List 4	08.042	No need for evaluation
Lauryl alcohol	112-53-8	0109	Evaluated - No safety concern	2617	GRAS List 3 (29)	02.008	No need for evaluation
Lauric aldehyde	112-54-9	0110	Evaluated - No safety concern	2615	GRAS List 3	05.011	No need for evaluation
Lauric acid	143-07-7	0111	Evaluated - No safety concern	2614	GRAS List 3 (29)	08.012	No need for evaluation
Myristaldehyde	124-25-4	0112	Evaluated - No safety concern	2763	GRAS List 3 (25)	05.032	No need for evaluation
Myristic acid	544-63-8	0113	Evaluated - No safety concern	2764	GRAS List 3 (29)	08.016	No need for evaluation
1-Hexadecanol	36653-82-4	0114	Evaluated - No safety concern	2554	GRAS List 3	02.009	No need for evaluation
Palmitic acid	57-10-3	0115	Evaluated - No safety concern	2832	GRAS List 3 (29)	08.014	No need for evaluation
Stearic acid	57-11-4	0116	Evaluated - No safety concern	3035	GRAS List 3 (25)	08.015	No need for evaluation
Propyl formate	110-74-7	0117	Evaluated - No safety concern	2943	GRAS List 3 (25)	09.073	No need for evaluation
Butyl formate	592-84-7	0118	Evaluated - No safety concern	2196	GRAS List 3	09.163	No need for evaluation
n-Amyl formate	638-49-3	0119	Evaluated - No safety concern	2068	GRAS List 3	09.159	No need for evaluation
Hexyl formate	629-33-4	0120	Evaluated - No safety concern	2570	GRAS List 3	09.161	No need for evaluation
Heptyl formate	112-23-2	0121	Evaluated - No safety concern	2552	GRAS List 3	09.074	No need for evaluation
Octyl formate	112-32-3	0122	Evaluated - No safety concern	2809	GRAS List 3	09.075	No need for evaluation
cis-3-Hexenyl formate	33467-73-1	0123	Evaluated - No safety concern	3353	GRAS List 6 (25)	09.240	No need for evaluation
Isobutyl formate	542-55-2	0124	Evaluated - No safety concern	2197	GRAS List 3 (25)	09.164	No need for evaluation
Methyl acetate	79-20-9	0125	Evaluated - No safety concern	2676	GRAS List 3 (25)	09.023	No need for evaluation
Propyl acetate	109-60-4	0126	Evaluated - No safety concern	2925	GRAS List 3	09.002	No need for evaluation
Butyl acetate	123-86-4	0127	Evaluated - No safety concern	2174	GRAS List 3	09.004	No need for evaluation
Hexyl acetate	142-92-7	0128	Evaluated - No safety concern	2565	GRAS List 3 (25)	09.006	No need for evaluation

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Heptyl acetate	112-06-1	0129	Evaluated - No safety concern	2547	GRAS List 3	09.022	No need for evaluation
Octyl acetate	112-14-1	0130	Evaluated - No safety concern	2806	GRAS List 3	09.007	No need for evaluation
Nonyl acetate	143-13-5	0131	Evaluated - No safety concern	2788	GRAS List 3	09.008	No need for evaluation
Decyl acetate	112-17-4	0132	Evaluated - No safety concern	2367	GRAS List 3	09.009	No need for evaluation
Lauryl acetate	112-66-3	0133	Evaluated - No safety concern	2616	GRAS List 3 (25)	09.010	No need for evaluation
cis-3-Hexenyl acetate	3681-71-8	0134	Evaluated - No safety concern	3171	GRAS List 4 (25)	09.197	No need for evaluation
trans-3-Heptenyl acetate	1576-77-8	0135	Evaluated - No safety concern	3493	GRAS List 10	09.275	No need for evaluation
10-Undecen-1-yl acetate	112-19-6	0136	Evaluated - No safety concern	3096	GRAS List 3	09.214	No need for evaluation
Isobutyl acetate	110-19-0	0137	Evaluated - No safety concern	2175	GRAS List 3	09.005	No need for evaluation
2-Methylbutyl acetate	624-41-9	0138	Evaluated - No safety concern	3644	GRAS List 12	09.286	No need for evaluation
Acetone	67-64-1	0139	Evaluated - No safety concern	3326	GRAS List 6	07.050	No need for evaluation
2-Ethylbutyl acetate	10031-87-5	0140	Evaluated - No safety concern	2425	GRAS List 3	09.025	No need for evaluation
Methyl propionate	554-12-1	0141	Evaluated - No safety concern	2742	GRAS List 3	09.134	No need for evaluation
Propyl propionate	106-36-5	0142	Evaluated - No safety concern	2958	GRAS List 3	09.122	No need for evaluation
Butyl propionate	590-01-2	0143	Evaluated - No safety concern	2211	GRAS List 3	09.124	No need for evaluation
Hexyl propionate	2445-76-3	0144	Evaluated - No safety concern	2576	GRAS List 3 (25)	09.139	No need for evaluation
Octyl propionate	142-60-9	0145	Evaluated - No safety concern	2813	GRAS List 3	09.126	No need for evaluation
Decyl propionate	5454-19-3	0146	Evaluated - No safety concern	2369	GRAS List 3 (25)	09.127	No need for evaluation
cis-3 & trans-2-Hexenyl propionate	33467-74-2	0147	Evaluation pending - additional data required	3778	GRAS List 16		
Isobutyl propionate	540-42-1	0148	Evaluated - No safety concern	2212	GRAS List 3	09.125	No need for evaluation
Methyl butyrate	623-42-7	0149	Evaluated - No safety concern	2693	GRAS List 3	09.038	No need for evaluation
Propyl butyrate	105-66-8	0150	Evaluated - No safety concern	2934	GRAS List 3 (25)	09.040	No need for evaluation
Butyl butyrate	109-21-7	0151	Evaluated - No safety concern	2186	GRAS List 3	09.042	No need for evaluation
n-Amyl butyrate	540-18-1	0152	Evaluated - No safety concern	2059	GRAS List 3	09.044	No need for evaluation
Hexyl butyrate	2639-63-6	0153	Evaluated - No safety concern	2568	GRAS List 3 (25)	09.045	No need for evaluation
Heptyl butyrate	5870-93-9	0154	Evaluated - No safety concern	2549	GRAS List 3	09.166	No need for evaluation
Octyl butyrate	110-39-4	0155	Evaluated - No safety concern	2807	GRAS List 3	09.046	No need for evaluation
Decyl butyrate	5454-09-1	0156	Evaluated - No safety concern	2368	GRAS List 3	09.047	No need for evaluation
cis-3-Hexenyl butyrate	16491-36-4	0157	Evaluated - No safety concern	3402	GRAS List 7 (25)	09.270	No need for evaluation
Isobutyl butyrate	539-90-2	0158	Evaluated - No safety concern	2187	GRAS List 3 (25)	09.043	No need for evaluation
Methyl valerate	624-24-8	0159	Evaluated - No safety concern	2752	GRAS List 3 (25)	09.182	No need for evaluation
Butyl valerate	591-68-4	0160	Evaluated - No safety concern	2217	GRAS List 3 (25)	09.148	No need for evaluation
Propyl hexanoate	626-77-7	0161	Evaluated - No safety concern	2949	GRAS List 3 (25)	09.061	No need for evaluation
Butyl hexanoate	626-82-4	0162	Evaluated - No safety concern	2201	GRAS List 3 (25)	09.063	No need for evaluation
n-Amyl hexanoate	540-07-8	0163	Evaluated - No safety concern	2074	GRAS List 3 (25)	09.065	No need for evaluation
Hexyl hexanoate	6378-65-0	0164	Evaluated - No safety concern	2572	GRAS List 3 (25)	09.066	No need for evaluation
cis-3-Hexenyl hexanoate	31501-11-8	0165	Evaluated - No safety concern	3403	GRAS List 7 (25)	09.271	No need for evaluation
Isobutyl hexanoate	105-79-3	0166	Evaluated - No safety concern	2202	GRAS List 3	09.064	No need for evaluation
Methyl heptanoate	106-73-0	0167	Evaluated - No safety concern	2705	GRAS List 3	09.096	No need for evaluation
Propyl heptanoate	7778-87-2	0168	Evaluated - No safety concern	2948	GRAS List 3	09.095	No need for evaluation
Butyl heptanoate	5454-28-4	0169	Evaluated - No safety concern	2199	GRAS List 3	09.091	No need for evaluation
n-Amyl heptanoate	7493-82-5	0170	Evaluated - No safety concern	2073	GRAS List 3	09.098	No need for evaluation
Octyl heptanoate	5132-75-2	0171	Evaluated - No safety concern	2810	GRAS List 3 (25)	09.094	No need for evaluation
Isobutyl heptanoate	7779-80-8	0172	Evaluated - No safety concern	2200	GRAS List 3	09.092	No need for evaluation
Methyl octanoate	111-11-5	0173	Evaluated - No safety concern	2728	GRAS List 3 (25)	09.117	No need for evaluation
n-Amyl octanoate	638-25-5	0174	Evaluated - No safety concern	2079	GRAS List 3	09.112	No need for evaluation
Hexyl octanoate	1117-55-1	0175	Evaluated - No safety concern	2575	GRAS List 3 (25)	09.113	No need for evaluation
Heptyl octanoate	4265-97-8	0176	Evaluated - No safety concern	2553	GRAS List 3	09.118	No need for evaluation
Octyl octanoate	2306-88-9	0177	Evaluated - No safety concern	2811	GRAS List 3	09.114	No need for evaluation

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Nonyl octanoate	7786-48-3	0178	Evaluated - No safety concern	2790	GRAS List 3	09.115	No need for evaluation
Methyl nonanoate	1731-84-6	0179	Evaluated - No safety concern	2724	GRAS List 3	09.108	No need for evaluation
Methyl laurate	111-82-0	0180	Evaluated - No safety concern	2715	GRAS List 3	09.101	No need for evaluation
Butyl laurate	106-18-3	0181	Evaluated - No safety concern	2206	GRAS List 3 (25)	09.100	No need for evaluation
Isoamyl laurate	6309-51-9	0182	Evaluated - No safety concern	2077	GRAS List 3	09.103	No need for evaluation
Methyl myristate	124-10-7	0183	Evaluated - No safety concern	2722	GRAS List 3	09.106	No need for evaluation
Butyl stearate	123-95-5	0184	Evaluated - No safety concern	2214	GRAS List 3	09.246	No need for evaluation
Methyl isobutyrate	547-63-7	0185	Evaluated - No safety concern	2694	GRAS List 3	09.412	No need for evaluation
Ethyl isobutyrate	97-62-1	0186	Evaluated - No safety concern	2428	GRAS List 3	09.413	No need for evaluation
Propyl isobutyrate	644-49-5	0187	Evaluated - No safety concern	2936	GRAS List 3	09.414	No need for evaluation
Butyl isobutyrate	97-87-0	0188	Evaluated - No safety concern	2188	GRAS List 3 (25)	09.416	No need for evaluation
Hexyl isobutyrate	2349-07-7	0189	Evaluated - No safety concern	3172	GRAS List 4	09.478	No need for evaluation
Heptyl isobutyrate	2349-13-5	0190	Evaluated - No safety concern	2550	GRAS List 3	09.420	No need for evaluation
trans-3-Heptenyl 2-methyl propanoate	67801-45-0	0191	Evaluated - No safety concern	3494	GRAS List 10	09.528	No need for evaluation
Octyl isobutyrate	109-15-9	0192	Evaluated - No safety concern	2808	GRAS List 3 (25)	09.473	No need for evaluation
Dodecyl isobutyrate	6624-71-1	0193	Evaluated - No safety concern	3452	GRAS List 9	09.523	No need for evaluation
Isobutyl isobutyrate	97-85-8	0194	Evaluated - No safety concern	2189	GRAS List 3 (25)	09.417	No need for evaluation
Methyl isovalerate	556-24-1	0195	Evaluated - No safety concern	2753	GRAS List 3	09.462	No need for evaluation
Ethyl isovalerate	108-64-5	0196	Evaluated - No safety concern	2463	GRAS List 3	09.447	No need for evaluation
Propyl isovalerate	557-00-6	0197	Evaluated - No safety concern	2960	GRAS List 3 (25)	09.448	No need for evaluation
Butyl isovalerate	109-19-3	0198	Evaluated - No safety concern	2218	GRAS List 3	09.449	No need for evaluation
Hexyl 3-methylbutanoate	10032-13-0	0199	Evaluated - No safety concern	3500	GRAS List 10	09.529	No need for evaluation
Octyl isovalerate	7786-58-5	0200	Evaluated - No safety concern	2814	GRAS List 3	09.451	No need for evaluation
Nonyl isovalerate	7786-47-2	0201	Evaluated - No safety concern	2791	GRAS List 3 (25)	09.452	No need for evaluation
3-Hexenyl 3-methylbutanoate	10032-11-8	0202	Evaluated - No safety concern	3498	GRAS List 10 (25)	09.505	No need for evaluation
2-Methylpropyl 3-methylbutyrate	589-59-3	0203	Evaluated - No safety concern	3369	GRAS List 6 (25)	09.472	No need for evaluation
2-Methylbutyl 3-methylbutanoate	2445-77-4	0204	Evaluated - No safety concern	3506	GRAS List 10 (25)	09.531	No need for evaluation
Methyl 2-methylbutyrate	868-57-5	0205	Evaluated - No safety concern	2719	GRAS List 3	09.483	No need for evaluation
Ethyl 2-methylbutyrate	7452-79-1	0206	Evaluated - No safety concern	2443	GRAS List 3	09.409	No need for evaluation
n-Butyl 2-methylbutyrate	15706-73-7	0207	Evaluated - No safety concern	3393	GRAS List 7 (25)	09.519	No need for evaluation
Hexyl 2-methylbutanoate	10032-15-2	0208	Evaluated - No safety concern	3499	GRAS List 10	09.507	No need for evaluation
Octyl 2-methylbutyrate	29811-50-5	0209	Evaluated - No safety concern	3604	GRAS List 12	09.537	No need for evaluation
Isopropyl 2-methylbutyrate	66576-71-4	0210	Evaluated - No safety concern	3699	GRAS List 13	09.547	No need for evaluation
3-Hexenyl 2-methylbutanoate	10094-41-4	0211	Evaluated - No safety concern	3497	GRAS List 10	09.506	No need for evaluation
cis-3-Hexenyl 2-methylbutanoate	53398-85-9	0211	Evaluated - No safety concern	3497	GRAS List 10	09.854	Evaluated - No safety concern
2-Methylbutyl 2-methylbutyrate	2445-78-5	0212	Evaluated - No safety concern	3359	GRAS List 6 (25)	09.516	No need for evaluation
Methyl 2-methylpentanoate	2177-77-7	0213	Evaluated - No safety concern	3707	GRAS List 13	09.549	No need for evaluation
Ethyl 2-methyl pentanoate	39255-32-8	0214	Evaluated - No safety concern	3488	GRAS List 10	09.526	No need for evaluation
Ethyl 3-methylpentanoate	5870-68-8	0215	Evaluated - No safety concern	3679	GRAS List 13	09.541	No need for evaluation
Methyl 4-methylvalerate	2412-80-8	0216	Evaluated - No safety concern	2721	GRAS List 3	09.432	No need for evaluation
trans-Anethole	4180-23-8	0217	Evaluated - No safety concern	2086	GRAS List 3 (25)	04.010	No need for evaluation
Citric acid	77-92-9	0218	Evaluated - No safety concern	2306	GRAS List 3 (29)		
4-Hydroxybutyric acid lactone	96-48-0	0219	Evaluated - No safety concern	3291	GRAS List 5 (25)	10.006	No need for evaluation
gamma-Valerolactone	108-29-2	0220	Evaluated - No safety concern	3103	GRAS List 3 (25)	10.013	No need for evaluation
4-Hydroxy-3-pentenoic acid lactone	591-12-8	0221	Evaluated - No safety concern	3293	GRAS List 5 (25)	10.012	No need for evaluation
5-Ethyl-3-hydroxy-4-methyl-2(5H)-furanone	698-10-2	0222	Evaluated - No safety concern	3153	GRAS List 4	10.023	Evaluated - No safety concern
gamma-Hexalactone	695-06-7	0223	Evaluated - No safety concern	2556	GRAS List 3 (25)	10.021	No need for evaluation
delta-Hexalactone	823-22-3	0224	Evaluated - No safety concern	3167	GRAS List 4	10.010	No need for evaluation
gamma-Heptalactone	105-21-5	0225	Evaluated - No safety concern	2539	GRAS List 3 (25)	10.020	No need for evaluation
gamma-Octalactone	104-50-7	0226	Evaluated - No safety concern	2796	GRAS List 3	10.022	No need for evaluation

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4,4-Dibutyl-gamma-butyrolactone	7774-47-2	0227	Evaluated - No safety concern	2372	GRAS List 3	10.018	No need for evaluation
delta-Octalactone	698-76-0	0228	Evaluated - No safety concern	3214	GRAS List 4 (25)	10.015	No need for evaluation
gamma-Nonalactone	104-61-0	0229	Evaluated - No safety concern	2781	GRAS List 3	10.001	No need for evaluation
Hydroxynonanoic acid delta-lactone	3301-94-8	0230	Evaluated - No safety concern	3356	GRAS List 6 (25)	10.014	No need for evaluation
gamma-Decalactone	706-14-9	0231	Evaluated - No safety concern	2360	GRAS List 3 (25)	10.017	No need for evaluation
delta-Decalactone	705-86-2	0232	Evaluated - No safety concern	2361	GRAS List 3 (29)	10.007	No need for evaluation
gamma-Undecalactone	104-67-6	0233	Evaluated - No safety concern	3091	GRAS List 3	10.002	No need for evaluation
5-Hydroxyundecanoic acid lactone	710-04-3	0234	Evaluated - No safety concern	3294	GRAS List 5 (25)	10.011	No need for evaluation
gamma-Dodecalactone	2305-05-7	0235	Evaluated - No safety concern	2400	GRAS List 3 (25)	10.019	No need for evaluation
delta-Dodecalactone	713-95-1	0236	Evaluated - No safety concern	2401	GRAS List 3 (25)	10.008	No need for evaluation
6-Hydroxy-3,7-dimethyloctanoic acid lactone	499-54-7	0237	Evaluated - No safety concern	3355	GRAS List 6	10.027	No need for evaluation
delta-Tetradecalactone	2721-22-4	0238	Evaluated - No safety concern	3590	GRAS List 11 (25)	10.016	No need for evaluation
omega-Pentadecalactone	106-02-5	0239	Evaluated - No safety concern	2840	GRAS List 3 (25)	10.004	No need for evaluation
Omega -6-Hexadecenlactone	7779-50-2	0240	Evaluated - No safety concern	2555	GRAS List 3	10.003	No need for evaluation
Hexadec-7-en-1,16-lactone	123-69-3	0240	Evaluated - No safety concern	2555	GRAS List 3	10.059	Evaluated - No safety concern
epsilon-Decalactone	5579-78-2	0241	Evaluated - No safety concern	3613	GRAS List 12	10.029	No need for evaluation
epsilon-Dodecalactone	16429-21-3	0242	Evaluated - No safety concern	3610	GRAS List 12	10.028	No need for evaluation
4,5-Dimethyl-3-hydroxy-2,5-dihydrofuran-2-one	28664-35-9	0243	Evaluated - No safety concern	3634	GRAS List 12 (29)	10.030	Evaluated - No safety concern
3-Heptyldihydro-5-methyl-2(3H)-furanone	40923-64-6	0244	Evaluated - No safety concern	3350	GRAS List 6	10.026	No need for evaluation
5-Hydroxy-2,4-decadienoic acid delta-lactone	27593-23-3	0245	Evaluation pending - additional data required	3696	GRAS List 13	10.031	Evaluated - No safety concern
5-Hydroxy-2-decenoic acid delta-lactone	51154-96-2; 54814-64-1; 61248-45-1	0246	Evaluation pending - additional data required	3744	GRAS List 14	10.037	Evaluated - No safety concern
5-Hydroxy-7-decenoic acid delta-lactone	25524-95-2; 34686-71-0	0247	Evaluated - No safety concern	3745	GRAS List 14	10.033	No need for evaluation
5-Hydroxy-8-undecenoic acid delta-lactone	68959-28-4	0248	Evaluated - No safety concern	3758	GRAS List 15	10.035	No need for evaluation
cis-4-Hydroxy-6-dodecenoic acid lactone	18679-18-0	0249	Evaluated - No safety concern	3780	GRAS List 16	10.009	No need for evaluation
gamma-Methyldecalactone	7011-83-8	0250	Evaluated - No safety concern	3786	GRAS List 16	10.051	No need for evaluation
Isobutyl alcohol	78-83-1	0251	Evaluated - No safety concern	2179	GRAS List 3 (29)	02.001	No need for evaluation
Isobutyraldehyde	78-84-2	0252	Evaluated - No safety concern	2220	GRAS List 3 (25)	05.004	No need for evaluation
Isobutyric acid	79-31-2	0253	Evaluated - No safety concern	2222	GRAS List 3 (29)	08.006	No need for evaluation
2-Methylbutyraldehyde	96-17-3	0254	Evaluated - No safety concern	2691	GRAS List 3	05.049	No need for evaluation
2-Methylbutyric acid	116-53-0	0255	Evaluated - No safety concern	2695	GRAS List 3 (25)	08.046	No need for evaluation
2-Ethylbutyraldehyde	97-96-1	0256	Evaluated - No safety concern	2426	GRAS List 3 (25)	05.007	No need for evaluation
2-Ethylbutyric acid	88-09-5	0257	Evaluated - No safety concern	2429	GRAS List 3 (25)	08.045	No need for evaluation
3-Methylbutyraldehyde	590-86-3	0258	Evaluated - No safety concern	2692	GRAS List 3 (29)	05.006	No need for evaluation
Isovaleric acid	503-74-2	0259	Evaluated - No safety concern	3102	GRAS List 3	08.008	No need for evaluation
2-Methylpentanal	123-15-9	0260	Evaluated - No safety concern	3413	GRAS List 7	05.069	No need for evaluation
2-Methylvaleric acid	97-61-0	0261	Evaluated - No safety concern	2754	GRAS List 3 (25)	08.031	No need for evaluation
3-Methylpentanoic acid	105-43-1	0262	Evaluated - No safety concern	3437	GRAS List 8 (29)	08.056	No need for evaluation
3-Methyl-1-pentanol	589-35-5	0263	Evaluated - No safety concern	3762	GRAS List 15	02.115	No need for evaluation
4-Methylpentanoic acid	646-07-1	0264	Evaluated - No safety concern	3463	GRAS List 9 (25)	08.057	No need for evaluation
2-Methylhexanoic acid	4536-23-6	0265	Evaluated - No safety concern	3191	GRAS List 4 (25)	08.035	No need for evaluation
5-Methylhexanoic acid	628-46-6	0266	Evaluated - No safety concern	3572	GRAS List 11	08.061	No need for evaluation
2-Ethyl-1-hexanol	104-76-7	0267	Evaluated - No safety concern	3151	GRAS List 4 (25)	02.082	No need for evaluation
3,5,5-Trimethyl-1-hexanol	3452-97-9	0268	Evaluated - No safety concern	3324	GRAS List 5	02.055	No need for evaluation
3,5,5-Trimethylhexanal	5435-64-3	0269	Evaluated - No safety concern	3524	GRAS List 10	05.116	No need for evaluation
2-Methyloctanal	7786-29-0	0270	Evaluated - No safety concern	2727	GRAS List 3 (25)	05.024	No need for evaluation
4-Methyloctanoic acid	54947-74-9	0271	Evaluated - No safety concern	3575	GRAS List 11	08.063	No need for evaluation

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3,7-Dimethyl-1-octanol	106-21-8	0272	Evaluated - No safety concern	2391	GRAS List 3	02.026	No need for evaluation
2,6-Dimethyloctanal	7779-07-9	0273	Evaluated - No safety concern	2390	GRAS List 3	05.023	No need for evaluation
4-Methylnonanoic acid	45019-28-1	0274	Evaluated - No safety concern	3574	GRAS List 11	08.062	No need for evaluation
2-Methylundecanal	110-41-8	0275	Evaluated - No safety concern	2749	GRAS List 3	05.077	No need for evaluation
Isopropyl alcohol	67-63-0	0277	Evaluated - No safety concern	2929	GRAS List 3 (25)	02.079	No need for evaluation
2-Butanone	78-93-3	0278	Evaluated - No safety concern	2170	GRAS List 3	07.053	No need for evaluation
2-Pentanone	107-87-9	0279	Evaluated - No safety concern	2842	GRAS List 3 (25)	07.054	No need for evaluation
2-Pentanol	6032-29-7	0280	Evaluated - No safety concern	3316	GRAS List 5	02.088	No need for evaluation
3-Hexanone	589-38-8	0281	Evaluated - No safety concern	3290	GRAS List 5	07.096	No need for evaluation
Hexan-3-ol	623-37-0	0282	Evaluated - No safety concern	3351	GRAS List 6	02.089	No need for evaluation
2-Heptanone	110-43-0	0283	Evaluated - No safety concern	2544	GRAS List 3	07.002	No need for evaluation
Heptan-2-ol	543-49-7	0284	Evaluated - No safety concern	3288	GRAS List 5	02.045	No need for evaluation
3-Heptanone	106-35-4	0285	Evaluated - No safety concern	2545	GRAS List 3	07.003	No need for evaluation
3-Heptanol	589-82-2	0286	Evaluated - No safety concern	3547	GRAS List 11	02.044	No need for evaluation
4-Heptanone	123-19-3	0287	Evaluated - No safety concern	2546	GRAS List 3	07.058	No need for evaluation
2-Octanone	111-13-7	0288	Evaluated - No safety concern	2802	GRAS List 3	07.019	No need for evaluation
2-Octanol	123-96-6	0289	Evaluated - No safety concern	2801	GRAS List 3 (25)	02.022	No need for evaluation
3-Octanone	106-68-3	0290	Evaluated - No safety concern	2803	GRAS List 3 (25)	07.062	No need for evaluation
3-Octanol	589-98-0	0291	Evaluated - No safety concern	3581	GRAS List 11	02.098	No need for evaluation
2-Nonanone	821-55-6	0292	Evaluated - No safety concern	2785	GRAS List 3 (25)	07.020	No need for evaluation
2-Nonanol	628-99-9	0293	Evaluated - No safety concern	3315	GRAS List 5	02.087	No need for evaluation
3-Nonanone	925-78-0	0294	Evaluated - No safety concern	3440	GRAS List 8	07.113	No need for evaluation
3-Decanol	1565-81-7	0295	Evaluated - No safety concern	3605	GRAS List 12	02.103	No need for evaluation
2-Undecanone	112-12-9	0296	Evaluated - No safety concern	3093	GRAS List 3 (25)	07.016	No need for evaluation
2-Undecanol	1653-30-1	0297	Evaluated - No safety concern	3246	GRAS List 4	02.086	No need for evaluation
2-Tridecanone	593-08-8	0298	Evaluated - No safety concern	3388	GRAS List 6	07.103	No need for evaluation
2-Pentadecanone	2345-28-0	0299	Evaluated - No safety concern	3724	GRAS List 13	07.137	No need for evaluation
3-Methyl-2-butanol	598-75-4	0300	Evaluated - No safety concern	3703	GRAS List 13	02.111	No need for evaluation
4-Methyl-2-pentanone	108-10-1	0301	Evaluated - No safety concern	2731	GRAS List 3 (25)	07.017	No need for evaluation
2,6-Dimethyl-4-heptanone	108-83-8	0302	Evaluated - No safety concern	3537	GRAS List 11	07.122	No need for evaluation
2,6-Dimethyl-4-heptanol	108-82-7	0303	Evaluated - No safety concern	3140	GRAS List 4	02.081	No need for evaluation
Isopropyl formate	625-55-8	0304	Evaluated - No safety concern	2944	GRAS List 3	09.165	No need for evaluation
Isopropyl acetate	108-21-4	0305	Evaluated - No safety concern	2926	GRAS List 3 (25)	09.003	No need for evaluation
Isopropyl propionate	637-78-5	0306	Evaluated - No safety concern	2959	GRAS List 3	09.123	No need for evaluation
Isopropyl butyrate	638-11-9	0307	Evaluated - No safety concern	2935	GRAS List 3 (25)	09.041	No need for evaluation
Isopropyl hexanoate	2311-46-8	0308	Evaluated - No safety concern	2950	GRAS List 3	09.062	No need for evaluation
Isopropyl isobutyrate	617-50-5	0309	Evaluated - No safety concern	2937	GRAS List 3 (25)	09.415	No need for evaluation
Isopropyl isovalerate	32665-23-9	0310	Evaluated - No safety concern	2961	GRAS List 3 (25)	09.450	No need for evaluation
Isopropyl myristate	110-27-0	0311	Evaluated - No safety concern	3556	GRAS List 11	09.105	No need for evaluation
Isopropyl tiglate	1733-25-1	0312	Evaluated - No safety concern	3229	GRAS List 4	09.513	No need for evaluation
3-Octyl acetate	4864-61-3	0313	Evaluated - No safety concern	3583	GRAS List 11	09.254	No need for evaluation
4-Pentenoic acid	591-80-0	0314	Evaluated - No safety concern	2843	GRAS List 3 (25)	08.048	No need for evaluation
cis-3-Hexen-1-ol	928-96-1	0315	Evaluated - No safety concern	2563	GRAS List 3	02.056	No need for evaluation
Hex-3-en-1-ol	544-12-7	0315	Evaluated - No safety concern	2563	GRAS List 3	02.159	No need for evaluation
cis-3-Hexenal	6789-80-6	0316	Evaluated - No safety concern	2561	GRAS List 3 (25)	05.075	No need for evaluation
3-Hexenoic acid	4219-24-3	0317	Evaluated - No safety concern	3170	GRAS List 4 (25)	08.050	No need for evaluation
4-Hexen-1-ol	6126-50-7	0318	Evaluated - No safety concern	3430	GRAS List 8	02.074	No need for evaluation
cis-4-Hexenal	4634-89-3	0319	Evaluated - No safety concern	3496	GRAS List 10	05.113	No need for evaluation

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cis-4-Heptenal	6728-31-0; 62238-34-0; 929-22-6	0320	Evaluated - No safety concern	3289	GRAS List 5 (25)	05.085	No need for evaluation
cis-3-Octen-1-ol	20125-84-2	0321	Evaluated - No safety concern	3467	GRAS List 9 (25)	02.094	No need for evaluation
cis-5-Octen-1-ol	64275-73-6	0322	Evaluated - No safety concern	3722	GRAS List 13	02.113	No need for evaluation
cis-5-Octenal	41547-22-2	0323	Evaluated - No safety concern	3749	GRAS List 14	05.128	No need for evaluation
cis-6-Nonen-1-ol	35854-86-5	0324	Evaluated - No safety concern	3465	GRAS List 9 (25)	02.093	No need for evaluation
cis-6-Nonenal	2277-19-2	0325	Evaluated - No safety concern	3580	GRAS List 11	05.059	No need for evaluation
4-Decenal	30390-50-2	0326	Evaluated - No safety concern	3264	GRAS List 5	05.096	No need for evaluation
Dec-4(cis)-enal	21662-09-9	0326	Evaluated - No safety concern	3264	GRAS List 5	05.137	Evaluated - No safety concern
5&6-Decenoic acid (mixture)	72881-27-7	0327	Evaluated - No safety concern	3742	GRAS List 14	08.068	No need for evaluation
9-Decenoic acid	14436-32-9	0328	Evaluated - No safety concern	3660	GRAS List 13	08.065	No need for evaluation
9-Undecenal	143-14-6	0329	Evaluated - No safety concern	3094	GRAS List 3	05.036	No need for evaluation
10-Undecenal	112-45-8	0330	Evaluated - No safety concern	3095	GRAS List 3 (25)	05.035	No need for evaluation
10-Undecenoic acid	112-38-9	0331	Evaluated - No safety concern	3247	GRAS List 4 (25)	08.039	No need for evaluation
Linoleic and linolenic acid (mixture)	60-33-3	0332	Evaluated - No safety concern	3380	GRAS List 6 (25)	08.041	No need for evaluation
Oleic acid	112-80-1	0333	Evaluated - No safety concern	2815	GRAS List 3 (25)	08.013	No need for evaluation
Methyl 3-hexenoate	2396-78-3	0334	Evaluated - No safety concern	3364	GRAS List 6	09.267	No need for evaluation
Ethyl 3-hexenoate	2396-83-0	0335	Evaluated - No safety concern	3342	GRAS List 6	09.191	No need for evaluation
cis-3-Hexenyl cis-3-hexenoate	61444-38-0	0336	Evaluated - No safety concern	3689	GRAS List 13 (25)	09.291	No need for evaluation
Methyl cis-4-octenoate	21063-71-8	0337	Evaluated - No safety concern	3367	GRAS List 6	09.268	No need for evaluation
Ethyl cis-4-octenoate	34495-71-1	0338	Evaluated - No safety concern	3344	GRAS List 6	09.265	No need for evaluation
Ethyl cis-4,7-octadienoate	69925-33-3	0339	Evaluated - No safety concern	3682	GRAS List 13	09.290	No need for evaluation
Methyl 3-nonenoate	13481-87-3	0340	Evaluated - No safety concern	3710	GRAS List 13 (25)	09.298	No need for evaluation
Ethyl trans-4-decenoate	76649-16-6	0341	Evaluated - No safety concern	3642	GRAS List 12	09.284	No need for evaluation
Methyl 9-undecenoate	5760-50-9	0342	Evaluated - No safety concern	2750	GRAS List 3 (25)	09.236	No need for evaluation
Ethyl 10-undecenoate	692-86-4	0343	Evaluated - No safety concern	2461	GRAS List 3	09.237	No need for evaluation
Butyl 10-undecenoate	109-42-2	0344	Evaluated - No safety concern	2216	GRAS List 3 (25)	09.238	No need for evaluation
Ethyl oleate	111-62-6	0345	Evaluated - No safety concern	2450	GRAS List 3 (25)	09.192	No need for evaluation
Methyl linoleate & Methyl linolenate (mixture)	238757-19-2; 301-00-8; 112-63-0	0346	Evaluated - No safety concern	3411	GRAS List 7 (25)	09.645	No need for evaluation
Methyl linoleate	112-63-0	0346	Evaluated - No safety concern	3411	GRAS List 7 (25)	09.645	No need for evaluation
Methyl linolenate	301-00-8	0346	Evaluated - No safety concern	3411	GRAS List 7 (25)		No longer supported for evaluation
Methyl-3-pentenoic acid	37674-63-8	0347	Evaluated - No safety concern	3464	GRAS List 9	08.058	No need for evaluation
2,6-Dimethyl-6-hepten-1-ol	36806-46-9	0348	Evaluated - No safety concern	3663	GRAS List 13	02.110	No need for evaluation
2,6-Dimethyl-5-heptenal	106-72-9	0349	Evaluated - No safety concern	2389	GRAS List 3 (25)	05.074	No need for evaluation
Ethyl 2-methyl-3-pentenoate	1617-23-8	0350	Evaluated - No safety concern	3456	GRAS List 9	09.524	No need for evaluation
Ethyl 2-methyl-4-pentenoate	53399-81-8	0351	Evaluated - No safety concern	3489	GRAS List 10 (25)	09.527	No need for evaluation
Hexyl 2-methyl-3&4-pentenoate (mixture)	58625-95-9; 58031-03-1	0352	Evaluated - No safety concern	3693	GRAS List 13	09.546	No need for evaluation
Ethyl 2-methyl-3,4-pentadienoate	60523-21-9	0353	Evaluated - No safety concern	3678	GRAS List 13	09.540	Evaluated - No safety concern
Methyl 3,7-dimethyl-6-octenoate	2270-60-2	0354	Evaluated - No safety concern	3361	GRAS List 6	09.517	No need for evaluation
2-Methyl-4-pentenoic acid	1575-74-2	0355	Evaluated - No safety concern	3511	GRAS List 10	08.059	No need for evaluation
Linalool	78-70-6; 126-90-9; 126-91-0	0356	Evaluated - No safety concern	2635	GRAS List 3 (29)	02.013	No need for evaluation
Tetrahydrolinalool	78-69-3	0357	Evaluated - No safety concern	3060	GRAS List 3	02.028	No need for evaluation
Linalyl formate	115-99-1	0358	Evaluated - No safety concern	2642	GRAS List 3	09.080	No need for evaluation
Linalyl acetate	115-95-7	0359	Evaluated - No safety concern	2636	GRAS List 3	09.013	No need for evaluation

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Linalyl propionate	144-39-8	0360	Evaluated - No safety concern	2645	GRAS List 3 (25)	09.130	No need for evaluation
Linalyl butyrate	78-36-4	0361	Evaluated - No safety concern	2639	GRAS List 3	09.050	No need for evaluation
Linalyl isobutyrate	78-35-3	0362	Evaluated - No safety concern	2640	GRAS List 3 (25)	09.423	No need for evaluation
Linalyl isovalerate	1118-27-0	0363	Evaluated - No safety concern	2646	GRAS List 3 (25)	09.454	No need for evaluation
Linalyl hexanoate	7779-23-9	0364	Evaluated - No safety concern	2643	GRAS List 3	09.068	No need for evaluation
Linalyl octanoate	10024-64-3	0365	Evaluated - No safety concern	2644	GRAS List 3	09.116	No need for evaluation
alpha-Terpineol	98-55-5	0366	Evaluated - No safety concern	3045	GRAS List 3 (29)	02.014	No need for evaluation
Terpinyl formate	2153-26-6	0367	Evaluated - No safety concern	3052	GRAS List 3	09.081	No need for evaluation
alpha-Terpinyl acetate	80-26-2	0368	Evaluated - No safety concern	3047	GRAS List 3	09.015	No need for evaluation
Terpinyl acetate	8007-35-0	0368	Evaluated - No safety concern	3047	GRAS List 3	09.830	No need for evaluation
Terpinyl propionate	80-27-3	0369	Evaluated - No safety concern	3053	GRAS List 3	09.142	No need for evaluation
Terpinyl butyrate	2153-28-8	0370	Evaluated - No safety concern	3049	GRAS List 3	09.052	No need for evaluation
Terpinyl isobutyrate	7774-65-4	0371	Evaluated - No safety concern	3050	GRAS List 3	09.425	No need for evaluation
Terpinyl isovalerate	1142-85-4	0372	Evaluated - No safety concern	3054	GRAS List 3	09.461	No need for evaluation
p-Menth-3-en-1-ol	586-82-3	0373	Evaluated - No safety concern	3563	GRAS List 11	02.096	No need for evaluation
p-Menth-8-en-1-ol	138-87-4	0374	Evaluated - No safety concern	3564	GRAS List 11	02.097	No need for evaluation
p-Menthan-2-one	499-70-7	0375	Evaluated - No safety concern	3176	GRAS List 4 (25)	07.092	No need for evaluation
p-Menthan-2-ol	499-69-4	0376	Evaluated - No safety concern	3562	GRAS List 11	02.071	No need for evaluation
Dihydrocarvone	7764-50-3; 5948-04-9; 5524-05-0	0377	Evaluated - No safety concern	3565	GRAS List 11 (25)	07.128	No need for evaluation
Dihydrocarveol	619-01-2	0378	Evaluated - No safety concern	2379	GRAS List 3	02.061	No need for evaluation
Dihydrocarvyl acetate	20777-49-5	0379	Evaluated - No safety concern	2380	GRAS List 3 (25)	09.216	No need for evaluation
Carvone	99-49-0	0380	Evaluation pending	2249	GRAS List 3 (26)	07.012	No need for evaluation
d-Carvone	2244-16-8	0380	Evaluation pending	2249	GRAS List 3 (26)	07.146	Evaluated - No safety concern
l-Carvone	6485-40-1	0380	Evaluation pending	2249	GRAS List 3 (26)	07.147	Evaluated - No safety concern
Carveol	99-48-9	0381	Evaluated - No safety concern	2247	GRAS List 3	02.062	Evaluated - No safety concern
Carvyl acetate	97-42-7	0382	Evaluated - No safety concern	2250	GRAS List 3	09.215	Evaluated - No safety concern
Carvyl propionate	97-45-0	0383	Evaluated - No safety concern	2251	GRAS List 3 (25)	09.143	Evaluated - No safety concern
beta-Damascone	23726-92-3; 35044-68-9	0384	Evaluated - No safety concern	3243	GRAS List 4 (29)	07.083	Evaluated - No safety concern
trans-1-(2,6,6-Trimethyl-1-cyclohexen-1-yl)but-2-en-1-one	23726-91-2	0384	Evaluated - No safety concern	3243	GRAS List 4 (29)	07.224	Evaluated - No safety concern
alpha-damascone	43052-87-5	0385	Evaluated - No safety concern	3659	GRAS List 13		No longer supported for evaluation
cis-1-(2,6,6-Trimethyl-2-cyclohexenyl)-2-butenone	23726-94-5	0385	Evaluated - No safety concern	3659	GRAS List 13 (25)		No longer supported for evaluation
delta-Damascone	57378-68-4	0386	Evaluated - No safety concern	3622	GRAS List 12 (25)		No longer supported for evaluation
Damascenone	23696-85-7	0387	Evaluated - No safety concern	3420	GRAS List 7 (29)	07.108	Evaluated - No safety concern
alpha-Ionone	127-41-3	0388	Evaluated - No safety concern	2594	GRAS List 3	07.007	Evaluated - No safety concern
beta-Ionone	79-77-6; 14901-07-6	0389	Evaluated - No safety concern	2595	GRAS List 3	07.008	Evaluated - No safety concern
Ionone	79-76-5	0390	Evaluated - No safety concern	3175	GRAS List 4 (25)	07.091	Evaluated - No safety concern
alpha-Ionol	25312-34-9	0391	Evaluated - No safety concern	3624	GRAS List 12	02.105	Evaluated - No safety concern
beta-Ionol	22029-76-1	0392	Evaluated - No safety concern	3625	GRAS List 12 (25)	02.106	Evaluated - No safety concern
Dihydro-alpha-ionone	31499-72-6	0393	Evaluated - No safety concern	3628	GRAS List 12	07.132	No need for evaluation
Dihydro-beta-ionone	17283-81-7	0394	Evaluated - No safety concern	3626	GRAS List 12	07.131	No need for evaluation
Dihydro-beta-ionol	3293-47-8	0395	Evaluated - No safety concern	3627	GRAS List 12	02.107	No need for evaluation
Dehydrodihydroionone	20483-36-7	0396	Evaluated - No safety concern	3447	GRAS List 9	07.115	No need for evaluation
Dehydrodihydroionol	57069-86-0	0397	Evaluated - No safety concern	3446	GRAS List 9	02.092	No need for evaluation

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Methyl-alpha-ionone	127-42-4; 7779-30-8	0398	Evaluated - No safety concern	2711	GRAS List 3	07.009	Evaluated - No safety concern
Methyl-beta-ionone	127-43-5	0399	Evaluated - No safety concern	2712	GRAS List 3	07.010	Evaluated - No safety concern
Methyl-delta-ionone	7784-98-7	0400	Evaluated - No safety concern	2713	GRAS List 3	07.088	Evaluated - No safety concern
Allyl alpha-ionone	79-78-7	0401	Evaluated - No safety concern	2033	GRAS List 3 (25)	07.061	Evaluated - No safety concern
1,4-Dimethyl-4-acetyl-1-cyclohexene	43219-68-7	0402	Evaluated - No safety concern	3449	GRAS List 9		No longer supported for evaluation
alpha-Irone	79-69-6	0403	Evaluated - No safety concern	2597	GRAS List 3 (25)	07.011	Evaluated - No safety concern
alpha-iso-Methylionone	127-51-5	0404	Evaluated - No safety concern	2714	GRAS List 3	07.036	Evaluated - No safety concern
Acetoin	513-86-0	0405	Evaluated - No safety concern	2008	GRAS List 3 (25)	07.051	No need for evaluation
2-Acetoxy-3-butanone	4906-24-5	0406	Evaluated - No safety concern	3526	GRAS List 11	09.186	No need for evaluation
Butan-3-one-2-yl butanoate	84642-61-5	0407	Evaluated - No safety concern	3332	GRAS List 6	09.264	No need for evaluation
Diacetyl	431-03-8	0408	Evaluated - No safety concern	2370	GRAS List 3	07.052	No need for evaluation
3-Hydroxy-2-pentanone	3142-66-3	0409	Evaluated - No safety concern	3550	GRAS List 11	07.125	No need for evaluation
2,3-Pentadione	600-14-6	0410	Evaluated - No safety concern	2841	GRAS List 3 (29)	07.060	No need for evaluation
4-Methyl-2,3-pentanedione	7493-58-5	0411	Evaluated - No safety concern	2730	GRAS List 3	07.063	No need for evaluation
2,3-Hexanedione	3848-24-6	0412	Evaluated - No safety concern	2558	GRAS List 3 (25)	07.018	No need for evaluation
3,4-Hexanedione	4437-51-8	0413	Evaluated - No safety concern	3168	GRAS List 4	07.077	No need for evaluation
5-Methyl-2,3-hexanedione	13706-86-0	0414	Evaluated - No safety concern	3190	GRAS List 4 (25)	07.093	No need for evaluation
2,3-Heptanedione	96-04-8	0415	Evaluated - No safety concern	2543	GRAS List 3 (25)	07.064	No need for evaluation
5-Hydroxy-4-octanone	496-77-5	0416	Evaluated - No safety concern	2587	GRAS List 3 (25)	07.065	No need for evaluation
2,3-Undecadione	7493-59-6	0417	Evaluated - No safety concern	3090	GRAS List 3	07.021	No need for evaluation
Methylcyclopentenolone	80-71-7	0418	Evaluated - No safety concern	2700	GRAS List 3 (25)	07.056	Evaluated - No safety concern
Ethylcyclo-pentenolone	21835-01-8	0419	Evaluated - No safety concern	3152	GRAS List 4 (25)	07.057	Evaluated - No safety concern
3,4-Dimethyl-1,2-cyclo-pentanedione	13494-06-9	0420	Evaluated - No safety concern	3268	GRAS List 5 (25)	07.075	Evaluated - No safety concern
3,5-Dimethyl-1,2-cyclo-pentanedione	13494-07-0	0421	Evaluated - No safety concern	3269	GRAS List 5	07.076	Evaluated - No safety concern
3-Ethyl-2-hydroxy-4-methylcyclopent-2-en-1-one	42348-12-9	0422	Evaluated - No safety concern	3453	GRAS List 9	07.117	Evaluated - No safety concern
5-Ethyl-2-hydroxy-3-methylcyclopent-2-en-1-one	53263-58-4	0423	Evaluated - No safety concern	3454	GRAS List 9 (25)	07.118	Evaluated - No safety concern
2-Hydroxy-2-cyclohexen-1-one	10316-66-2	0424	Evaluated - No safety concern	3458	GRAS List 9	07.119	Evaluated - No safety concern
1-Methyl-2,3-cyclohexadione	3008-43-3	0425	Evaluated - No safety concern	3305	GRAS List 5	07.080	Evaluated - No safety concern
2-Hydroxy-3,5,5-trimethyl-2-cyclohexen-1-one	4883-60-7	0426	Evaluated - No safety concern	3459	GRAS List 9 (25)	07.120	Evaluated - No safety concern
Menthol	89-78-1;1490-04-6;2216-51-5;15356-60-2	0427	Evaluated - No safety concern	2665	GRAS List 3	02.015	No need for evaluation
d-neo-Menthol	2216-52-6; 20752-34-5	0428	Evaluated - No safety concern	2666	GRAS List 3 (25)	02.063	No need for evaluation
Menthone	10458-14-7	0429	Evaluated - No safety concern	2667	GRAS List 3 (25)	07.059	Evaluated - No safety concern
trans-Menthone	89-80-5	0429	Evaluated - No safety concern	2667	GRAS List 3 (25)	07.176	No need for evaluation
d,l-Isomenthone	491-07-6	0430	Evaluated - No safety concern	3460	GRAS List 9	07.078	No need for evaluation
Menthyl acetate	16409-45-3; 2623-23-6; 89-48-5	0431	Evaluated - No safety concern	2668	GRAS List 3 (25)	09.016	No need for evaluation
Menthyl isovalerate	16409-46-4	0432	Evaluated - No safety concern	2669	GRAS List 3	09.455	No need for evaluation
l-Menthyl lactate	59259-38-0; 61597-98-6	0433	Evaluated - No safety concern	3748	GRAS List 14 (18)	09.551	No need for evaluation
p-Menth-1-en-3-ol	491-04-3	0434	Evaluated - No safety concern	3179	GRAS List 4	02.083	Evaluated - No safety concern
Piperitone	6091-50-5; 89-81-6	0435	Evaluated - No safety concern	2910	GRAS List 3 (25)	07.175	Evaluated - No safety concern
4-Hydroxy-3-methyloctanoic acid gamma-lactone	39212-23-2	0437	Evaluated - No safety concern	3803	GRAS List 17	10.053	No need for evaluation

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5-Hydroxy-2-dodecenoic acid delta-lactone	16400-72-9	0438	Evaluation pending - additional data required	3802	GRAS List 17	10.044	Evaluated - No safety concern
4-Carvomenthenol	562-74-3	0439	Evaluated - No safety concern	2248	GRAS List 3 (25)	02.072	No need for evaluation
2-Ethyl-1,3,3-trimethyl-2-norbornanol	18368-91-7	0440	Evaluated - No safety concern	3491	GRAS List 10	02.095	No need for evaluation
4-Thujanol	546-79-2	0441	Evaluated - No safety concern	3239	GRAS List 4 (25)	02.085	No need for evaluation
Methyl 1-acetoxycyclohexyl ketone	52789-73-8	0442	Evaluation pending - additional data required	3701	GRAS List 13		No longer supported for evaluation
l-Menthol ethylene glycol carbonate	156324-78-6	0443	Evaluated - No safety concern	3805	GRAS List 17 (18)	09.842	No need for evaluation
(-)-Menthol 1- and 2-propylene glycol carbonate	30304-82-6	0444	Evaluated - No safety concern	3806	GRAS List 17 (18)	09.843	Evaluated - No safety concern
(-)-Menthone 1,2-glycerol ketal	63187-91-7	0445	Evaluated - No safety concern	3807	GRAS List 17	06.133	No need for evaluation
d,l-Menthone-1,2-glycerol ketal	63187-91-7	0446	Evaluated - No safety concern	3808	GRAS List 17	06.120	No need for evaluation
mono-Menthyl succinate	77341-67-4	0447	Evaluated - No safety concern	3810	GRAS List 17 (29)	09.616	No need for evaluation
1-Ethylhexyl tiglate	94133-92-3	0448	Evaluated - No safety concern	3676	GRAS List 13	09.539	No need for evaluation
Furfural	98-01-1	0450	Evaluated - No safety concern	2489	GRAS List 3	13.018	Evaluated - No safety concern
Furfuryl alcohol	98-00-0	0451	Evaluated - No safety concern	2491	GRAS List 3 (25)	13.019	Evaluated - No safety concern
Methyl sulfide	75-18-3	0452	Evaluated - No safety concern	2746	GRAS List 3	12.006	No need for evaluation
Methyl ethyl sulfide	624-89-5	0453	Evaluated - No safety concern	3860	GRAS List 18	12.154	No need for evaluation
Diethyl sulfide	352-93-2	0454	Evaluated - No safety concern	3825	GRAS List 18	12.113	No need for evaluation
Butyl sulfide	544-40-1	0455	Evaluated - No safety concern	2215	GRAS List 3 (25)	12.007	No need for evaluation
1,4-Dithiane	505-29-3	0456	Evaluated - No safety concern	3831	GRAS List 18	15.066	No need for evaluation
(1-Buten-1-yl) methyl sulfide	32951-19-2	0457	Evaluated - No safety concern	3820	GRAS List 18	12.211	No need for evaluation
Allyl sulfide	592-88-1	0458	Evaluated - No safety concern	2042	GRAS List 3	12.088	Evaluated - No safety concern
Methyl phenyl sulfide	100-68-5	0459	Evaluated - No safety concern	3873	GRAS List 18	12.162	Evaluated - No safety concern
Benzyl methyl sulfide	766-92-7	0460	Evaluated - No safety concern	3597	GRAS List 12	12.077	Evaluated - No safety concern
(3-Methylthio)propanol	505-10-2	0461	Evaluated - No safety concern	3415	GRAS List 7 (29)	12.062	No need for evaluation
4-(Methylthio)butanol	20582-85-8	0462	Evaluated - No safety concern	3600	GRAS List 12	12.078	No need for evaluation
3-(Methylthio)-1-hexanol	51755-66-9	0463	Evaluated - No safety concern	3438	GRAS List 8 (25)	12.063	No need for evaluation
2-Methyl-4-propyl-1,3-oxathiane	67715-80-4	0464	Evaluated - No safety concern	3578	GRAS List 11 (25)	16.030	No need for evaluation
2-Methylthioacetaldehyde	23328-62-3	0465	Evaluated - No safety concern	3206	GRAS List 4	12.040	No need for evaluation
3-(Methylthio)propionaldehyde	3268-49-3	0466	Evaluated - No safety concern	2747	GRAS List 3 (25)	12.001	No need for evaluation
3-(Methylthio)butanal	16630-52-7	0467	Evaluated - No safety concern	3374	GRAS List 6	12.056	No need for evaluation
4-(Methylthio)butanal	42919-64-2	0468	Evaluated - No safety concern	3414	GRAS List 7	12.061	No need for evaluation
3-Methylthiohexanal	38433-74-8	0469	Evaluated - No safety concern	3877	GRAS List 18	12.279	No need for evaluation
2-(Methylthio)methyl-2-butenal	40878-72-6	0470	Evaluated - No safety concern	3601	GRAS List 12	12.079	Evaluated - No safety concern
2,8-Dithianon-4-ene-4-carboxaldehyde	59902-01-1	0471	Evaluated - No safety concern	3483	GRAS List 10	12.065	Evaluated - No safety concern
Methyl 3-(methylthio)propionate	13532-18-8	0472	Evaluated - No safety concern	2720	GRAS List 3	12.002	No need for evaluation
Methylthiomethyl butyrate	74758-93-3	0473	Evaluated - No safety concern	3879	GRAS List 18	12.187	No need for evaluation
Methyl 4-(methylthio)butyrate	53053-51-3	0474	Evaluated - No safety concern	3412	GRAS List 7	12.060	No need for evaluation
Ethyl 2-(methylthio)acetate	4455-13-4	0475	Evaluated - No safety concern	3835	GRAS List 18	12.122	No need for evaluation
Ethyl 3-(methylthio)propionate	13327-56-5	0476	Evaluated - No safety concern	3343	GRAS List 6 (25)	12.053	No need for evaluation
Ethyl 4-(methylthio)butyrate	22014-48-8	0477	Evaluated - No safety concern	3681	GRAS List 13	12.084	No need for evaluation
3-(Methylthio)propyl acetate	16630-55-0	0478	Evaluated - No safety concern	3883	GRAS List 18	12.237	No need for evaluation
Methylthiomethyl hexanoate	74758-91-1	0479	Evaluated - No safety concern	3880	GRAS List 18	12.188	No need for evaluation
Ethyl 3-(methylthio)butyrate	233665-96-8	0480	Evaluated - No safety concern	3836	GRAS List 18	12.089	No need for evaluation
3-(Methylthio)hexyl acetate	51755-85-2	0481	Evaluated - No safety concern	3789	GRAS List 16	12.236	No need for evaluation
S-Methyl thioacetate	1534-08-3	0482	Evaluated - No safety concern	3876	GRAS List 18	12.149	No need for evaluation
Ethyl thioacetate	625-60-5	0483	Evaluated - No safety concern	3282	GRAS List 5	12.018	No need for evaluation
Methyl thiobutyrate	2432-51-1	0484	Evaluated - No safety concern	3310	GRAS List 5	12.032	No need for evaluation
Propyl thioacetate	2307-10-0	0485	Evaluated - No safety concern	3385	GRAS List 6	12.059	No need for evaluation
S-Methyl 2-methylbutanethioate	42075-45-6	0486	Evaluated - No safety concern	3708	GRAS List 13	12.086	No need for evaluation

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5-Methyl 3-methylbutanethioate	23747-45-7	0487	Evaluated - No safety concern	3864	GRAS List 18	12.157	No need for evaluation
5-Methyl 4-methylpentanethioate	61122-71-2	0488	Evaluated - No safety concern	3867	GRAS List 18	12.148	No need for evaluation
5-Methyl hexanethioate	2432-77-1	0489	Evaluated - No safety concern	3862	GRAS List 18	12.156	No need for evaluation
Allyl thiopropionate	41820-22-8	0490	Evaluated - No safety concern	3329	GRAS List 6	12.101	No need for evaluation
Prenyl thioacetate	33049-93-3	0491	Evaluated - No safety concern	3895	GRAS List 18	12.195	No need for evaluation
Methylthio 2-(acetyloxy)propionate	74586-09-7	0492	Evaluated - No safety concern	3788	GRAS List 16	12.203	No need for evaluation
Methylthio 2-(propionyloxy)propionate	93940-60-4	0493	Evaluated - No safety concern	3790	GRAS List 16	12.227	No need for evaluation
3-(Acetylmercapto)hexyl acetate	136954-25-1	0494	Evaluated - No safety concern	3816	GRAS List 18	12.278	Evaluated - No safety concern
1-Methylthio-2-propanone	14109-72-9	0495	Evaluated - No safety concern	3882	GRAS List 18	12.244	No need for evaluation
1-(Methylthio)-2-butanone	13678-58-5	0496	Evaluated - No safety concern	3207	GRAS List 4	12.041	No need for evaluation
4-(Methylthio)-2-butanone	34047-39-7	0497	Evaluated - No safety concern	3375	GRAS List 6	12.057	No need for evaluation
4,5-Dihydro-3(2H) thiophenone	1003-04-9	0498	Evaluated - No safety concern	3266	GRAS List 5	15.012	No need for evaluation
2-Methyltetrahydrothiophen-3-one	13679-85-1	0499	Evaluated - No safety concern	3512	GRAS List 10	15.023	No need for evaluation
4-(Methylthio)-4-methyl-2-pentanone	23550-40-5	0500	Evaluated - No safety concern	3376	GRAS List 6 (25)	12.058	No need for evaluation
Sodium 4-(methylthio)-2-oxobutanoate	51828-97-8; 583-92-6	0501	Evaluated - No safety concern	3881	GRAS List 18	12.176	No need for evaluation
Di(butan-3-one-1-yl) sulfide	40790-04-3	0502	Evaluated - No safety concern	3335	GRAS List 6	12.052	No need for evaluation
o-(Methylthio)phenol	1073-29-6	0503	Evaluated - No safety concern	3210	GRAS List 4	12.042	No need for evaluation
S-Methyl benzothioate	5925-68-8	0504	Evaluated - No safety concern	3857	GRAS List 18	12.150	No need for evaluation
2-(Methylthiomethyl)-3-phenylpropenal	65887-08-3	0505	Evaluated - No safety concern	3717	GRAS List 13	12.087	Evaluated - No safety concern
Menthone-8-thioacetate	94293-57-9	0506	Evaluated - No safety concern	3809	GRAS List 17	12.201	No need for evaluation
Methylsulfanyl methane	67-68-5	0507	Evaluated - No safety concern	3875	GRAS List 18	12.175	No need for evaluation
Methyl mercaptan	74-93-1	0508	Evaluated - No safety concern	2716	GRAS List 3	12.003	No need for evaluation
Propanethiol	107-03-9	0509	Evaluated - No safety concern	3521	GRAS List 10	12.071	No need for evaluation
2-Propanethiol	75-33-2	0510	Evaluated - No safety concern	3897	GRAS List 18	12.197	No need for evaluation
1-Butanethiol	109-79-5	0511	Evaluated - No safety concern	3478	GRAS List 10	12.010	No need for evaluation
2-Methyl-1-propanethiol	513-44-0	0512	Evaluated - No safety concern	3874	GRAS List 18	12.173	No need for evaluation
3-Methylbutanethiol	541-31-1	0513	Evaluated - No safety concern	3858	GRAS List 18	12.171	No need for evaluation
2-Pentanethiol	2084-19-7	0514	Evaluated - No safety concern	3792	GRAS List 16	12.192	No need for evaluation
2-Methyl-1-butanethiol	1878-18-8	0515	Evaluated - No safety concern	3303	GRAS List 5	12.048	No need for evaluation
Cyclopentanethiol	1679-07-8	0516	Evaluated - No safety concern	3262	GRAS List 5	12.029	No need for evaluation
3-Methyl-2-butanethiol	2084-18-6	0517	Evaluated - No safety concern	3304	GRAS List 5	12.049	No need for evaluation
1-Hexanethiol	111-31-9	0518	Evaluated - No safety concern	3842	GRAS List 18	12.132	No need for evaluation
2-Ethylhexanethiol	7341-17-5	0519	Evaluated - No safety concern	3833	GRAS List 18	12.128	No need for evaluation
2,3 or 10-Mercaptopinane	23832-18-0; 72361-41-2; 6588-78-9	0520	Evaluated - No safety concern	3503	GRAS List 10	12.035	No need for evaluation
3-Mercaptopinane	72361-41-2	0520	Evaluated - No safety concern	3503	GRAS List 10		No longer supported for evaluation
Allyl mercaptan	870-23-5	0521	Evaluated - No safety concern	2035	GRAS List 3	12.004	No need for evaluation
Prenylthiol	5287-45-6	0522	Evaluated - No safety concern	3896	GRAS List 18	12.170	No need for evaluation
1-p-Menthene-8-thiol	71159-90-5	0523	Evaluated - No safety concern	3700	GRAS List 13 (26)	12.085	Evaluated - No safety concern
Thiogeraniol	39067-80-6	0524	Evaluated - No safety concern	3472	GRAS List 9 (25)	12.064	No need for evaluation
Benzenethiol	108-98-5	0525	Evaluated - No safety concern	3616	GRAS List 12	12.080	No need for evaluation
Benzyl mercaptan	100-53-8	0526	Evaluated - No safety concern	2147	GRAS List 3	12.005	No need for evaluation
Phenethyl mercaptan	4410-99-5	0527	Evaluated - No safety concern	3894	GRAS List 18	12.194	No need for evaluation
o-Toluenethiol	137-06-4	0528	Evaluated - No safety concern	3240	GRAS List 4	12.027	No need for evaluation
2-Ethylthiophenol	4500-58-7	0529	Evaluated - No safety concern	3345	GRAS List 6	12.054	No need for evaluation
2,6-(Dimethyl)thiophenol	118-72-9	0530	Evaluated - No safety concern	3666	GRAS List 13	12.082	No need for evaluation
2-Naphthalenethiol	91-60-1	0531	Evaluated - No safety concern	3314	GRAS List 5	12.033	No need for evaluation

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Name	CAS	JECFA	JECFA - Safety Status (Link to WHO Database)	FEMA	FEMA - Safety Status (Link to FEMA Flavor Library)	FL. No	EFSA - Safety Status (Link to EFSA Database)
1,2-Ethanedithiol	540-63-6	0532	Evaluated - No safety concern	3484	GRAS List 10	12.066	No need for evaluation
bis(Methylthio)methane	1618-26-4	0533	Evaluated - No safety concern	3878	GRAS List 18	12.118	No need for evaluation
2-Methyl-1,3-dithiolane	5616-51-3	0534	Evaluated - No safety concern	3705	GRAS List 13	15.034	No need for evaluation
1,3-Propanedithiol	109-80-8	0535	Evaluated - No safety concern	3588	GRAS List 11	12.076	No need for evaluation
1,2-Propanedithiol	814-67-5	0536	Evaluated - No safety concern	3520	GRAS List 10	12.070	No need for evaluation
1,2-Butanedithiol	16128-68-0	0537	Evaluated - No safety concern	3528	GRAS List 11	12.072	No need for evaluation
1,3-Butanedithiol	24330-52-7	0538	Evaluated - No safety concern	3529	GRAS List 11	12.073	No need for evaluation
2,3-Butanedithiol	4532-64-3	0539	Evaluated - No safety concern	3477	GRAS List 10	12.022	No need for evaluation
1,6-Hexanedithiol	1191-43-1	0540	Evaluated - No safety concern	3495	GRAS List 10	12.067	No need for evaluation
1,8-Octanedithiol	1191-62-4	0541	Evaluated - No safety concern	3514	GRAS List 10	12.034	No need for evaluation
1,9-Nonanedithiol	3489-28-9	0542	Evaluated - No safety concern	3513	GRAS List 10	12.069	No need for evaluation
Trithioacetone	828-26-2	0543	Evaluated - No safety concern	3475	GRAS List 9	15.009	No need for evaluation
3-Mercapto-3-methyl-1-butanol	34300-94-2	0544	Evaluated - No safety concern	3854	GRAS List 18	12.137	Evaluated - No safety concern
3-Mercaptohexanol	51755-83-0	0545	Evaluated - No safety concern	3850	GRAS List 18	12.217	No need for evaluation
2-Mercapto-3-butanol	37887-04-0	0546	Evaluated - No safety concern	3502	GRAS List 10	12.024	No need for evaluation
alpha-Methyl-beta-hydroxypropyl alpha-methyl-beta-mercaptopropyl sulfide	54957-02-7	0547	Evaluated - No safety concern	3509	GRAS List 10	12.036	No need for evaluation
4-Methoxy-2-methyl-2-butanethiol	94087-83-9	0548	Evaluated - No safety concern	3785	GRAS List 16	12.145	Evaluated - No safety concern
3-Mercapto-3-methylbutyl formate	50746-10-6	0549	Evaluated - No safety concern	3855	GRAS List 18	12.138	Evaluated - No safety concern
2,5-Dihydroxy-1,4-dithiane	40018-26-6	0550	Evaluated - No safety concern	3826	GRAS List 18	15.134	Evaluated - No safety concern
2-Mercaptopropionic acid	79-42-5	0551	Evaluated - No safety concern	3180	GRAS List 4 (25)	12.039	No need for evaluation
Ethyl 2-mercaptopropionate	19788-49-9	0552	Evaluated - No safety concern	3279	GRAS List 5	12.046	No need for evaluation
Ethyl 3-mercaptopropionate	5466-06-8	0553	Evaluated - No safety concern	3677	GRAS List 13	12.083	No need for evaluation
3-Mercaptohexyl acetate	136954-20-6	0554	Evaluated - No safety concern	3851	GRAS List 18	12.234	No need for evaluation
3-Mercaptohexyl butyrate	136954-21-7	0555	Evaluated - No safety concern	3852	GRAS List 18	12.235	No need for evaluation
3-Mercaptohexyl hexanoate	136954-22-8	0556	Evaluated - No safety concern	3853	GRAS List 18	12.251	No need for evaluation
1-Mercapto-2-propanone	24653-75-6	0557	Evaluated - No safety concern	3856	GRAS List 18	12.143	No need for evaluation
3-Mercapto-2-butanone	40789-98-8	0558	Evaluated - No safety concern	3298	GRAS List 5	12.047	No need for evaluation
2-Keto-4-butanethiol	34619-12-0	0559	Evaluated - No safety concern	3357	GRAS List 6 (25)	12.055	No need for evaluation
3-Mercapto-2-pentanone	67633-97-0	0560	Evaluated - No safety concern	3300	GRAS List 5	12.031	No need for evaluation
p-Mentha-8-thiol-3-one	38462-22-5	0561	Evaluated - No safety concern	3177	GRAS List 4 (25)	12.038	Evaluated - No safety concern
2,5-Dimethyl-2,5-dihydroxy-1,4-dithiane	55704-78-4	0562	Evaluated - No safety concern	3450	GRAS List 9 (25)	15.006	No need for evaluation
Sodium 3-mercapto-oxopropionate	10255-67-1	0563	Evaluated - No safety concern	3901	GRAS List 18		
Dimethyl disulfide	624-92-0	0564	Evaluated - No safety concern	3536	GRAS List 11 (25)	12.026	No need for evaluation
Methyl propyl disulfide	2179-60-4	0565	Evaluated - No safety concern	3201	GRAS List 4 (25)	12.019	No need for evaluation
Propyl disulfide	629-19-6	0566	Evaluated - No safety concern	3228	GRAS List 4	12.014	No need for evaluation
Diisopropyl disulfide	4253-89-8	0567	Evaluated - No safety concern	3827	GRAS List 18	12.109	No need for evaluation
Allyl methyl disulfide	2179-58-0	0568	Evaluated - No safety concern	3127	GRAS List 4	12.037	No need for evaluation
Methyl 1-propenyl disulfide	5905-47-5	0569	Evaluated - No safety concern	3576	GRAS List 11	12.075	No need for evaluation
Propenyl propyl disulfide	5905-46-4	0570	Evaluated - No safety concern	3227	GRAS List 4	12.044	No need for evaluation
Methyl 3-methyl-1-butenyl disulfide	233666-09-6	0571	Evaluated - No safety concern	3865	GRAS List 18	12.218	No need for evaluation
Allyl disulfide	2179-57-9	0572	Evaluated - No safety concern	2028	GRAS List 3	12.008	No need for evaluation
3,5-Dimethyl-1,2,4-trithiolane	23654-92-4	0573	Evaluated - No safety concern	3541	GRAS List 11	15.025	No need for evaluation
3-Methyl-1,2,4-trithiane	43040-01-3	0574	Evaluated - No safety concern	3718	GRAS List 13	15.036	No need for evaluation
Dicyclohexyl disulfide	2550-40-5	0575	Evaluated - No safety concern	3448	GRAS List 9 (25)	12.028	No need for evaluation
Methyl phenyl disulfide	14173-25-2	0576	Evaluated - No safety concern	3872	GRAS List 18	12.161	No need for evaluation
Benzyl methyl disulfide	699-10-5	0577	Evaluated - No safety concern	3504	GRAS List 10	12.068	No need for evaluation
Phenyl disulfide	882-33-7	0578	Evaluated - No safety concern	3225	GRAS List 4	12.043	No need for evaluation
Benzyl disulfide	150-60-7	0579	Evaluated - No safety concern	3617	GRAS List 12	12.081	No need for evaluation
2-Methyl-2-(methylthio)propanal	67952-60-7	0580	Evaluated - No safety concern	3866	GRAS List 18	12.168	No need for evaluation
Ethyl 2-(methylthio)propionate	23747-43-5	0581	Evaluated - No safety concern	3834	GRAS List 18	12.121	No need for evaluation

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Dimethyl trisulfide	3658-80-8	0582	Evaluated - No safety concern	3275	GRAS List 5 (25)	12.013	Evaluation pending
Methyl ethyl trisulfide	31499-71-5	0583	Evaluated - No safety concern	3861	GRAS List 18	12.155	Evaluation pending
Methyl propyl trisulfide	17619-36-2	0584	Evaluated - No safety concern	3308	GRAS List 5	12.020	Evaluation pending
Dipropyl trisulfide	6028-61-1	0585	Evaluated - No safety concern	3276	GRAS List 5	12.023	Evaluation pending
Allyl methyl trisulfide	34135-85-8	0586	Evaluated - No safety concern	3253	GRAS List 5	12.045	Evaluation pending
Diallyl trisulfide	2050-87-5	0587	Evaluated - No safety concern	3265	GRAS List 5	12.009	Evaluation pending
Diallyl polysulfides	72869-75-1	0588	Evaluated - No safety concern	3533	GRAS List 11	12.074	Evaluation pending
Diallyl pentasulfide	118686-45-6	0588	Evaluated - No safety concern	3533	GRAS List 11		No longer supported for evaluation
2-Oxobutyric acid	600-18-0	0589	Evaluated - No safety concern	3723	GRAS List 13	08.066	No need for evaluation
Methyl 2-hydroxy-4-methylpentanoate	40348-72-9	0590	Evaluated - No safety concern	3706	GRAS List 13	09.548	No need for evaluation
Methyl 2-oxo-3-methylpentanoate	3682-42-6	0591	Evaluated - No safety concern	3713	GRAS List 13	09.550	No need for evaluation
Citronelloxyacetaldehyde	7492-67-3	0592	Evaluated - No safety concern	2310	GRAS List 3 (25)	05.079	No need for evaluation
3-Oxobutanal dimethyl acetal	5436-21-5	0593	Evaluated - No safety concern	3381	GRAS List 6	06.038	No need for evaluation
Ethyl 3-hydroxybutyrate	5405-41-4	0594	Evaluated - No safety concern	3428	GRAS List 8 (25)	09.522	No need for evaluation
Ethyl acetoacetate	141-97-9	0595	Evaluated - No safety concern	2415	GRAS List 3 (25)	09.402	No need for evaluation
Butyl acetoacetate	591-60-6	0596	Evaluated - No safety concern	2176	GRAS List 3	09.403	No need for evaluation
Isobutyl acetoacetate	7779-75-1	0597	Evaluated - No safety concern	2177	GRAS List 3 (25)	09.404	No need for evaluation
Isoamyl acetoacetate	2308-18-1	0598	Evaluated - No safety concern	3551	GRAS List 11	09.401	No need for evaluation
Geranyl acetoacetate	10032-00-5	0599	Evaluated - No safety concern	2510	GRAS List 3	09.405	Evaluated - No safety concern
Methyl 3-hydroxyhexanoate	21188-58-9	0600	Evaluated - No safety concern	3508	GRAS List 10	09.532	No need for evaluation
Ethyl 3-hydroxyhexanoate	2305-25-1	0601	Evaluated - No safety concern	3545	GRAS List 11	09.535	No need for evaluation
Ethyl 3-oxohexanoate	3249-68-1	0602	Evaluated - No safety concern	3683	GRAS List 13	09.542	No need for evaluation
Ethyl 2,4-dioxohexanoate	13246-52-1	0603	Evaluated - No safety concern	3278	GRAS List 5	09.514	No need for evaluation
3-(hydroxymethyl)-2-heptanone	65405-68-7	0604	Evaluated - No safety concern	2804	GRAS List 3		
1,3-Nonanediol acetate (mixed esters)	1322-17-4	0605	Evaluated - No safety concern	2783	GRAS List 3 (25)	09.225	No need for evaluation
Levulinic acid	123-76-2	0606	Evaluated - No safety concern	2627	GRAS List 3	08.023	No need for evaluation
Ethyl levulinate	539-88-8	0607	Evaluated - No safety concern	2442	GRAS List 3 (25)	09.435	No need for evaluation
Butyl levulinate	2052-15-5	0608	Evaluated - No safety concern	2207	GRAS List 3	09.436	No need for evaluation
1,4-Nonanediol diacetate	67715-81-5	0609	Evaluated - No safety concern	3579	GRAS List 11 (25)	09.280	No need for evaluation
Hydroxycitronellol	107-74-4	0610	Evaluated - No safety concern	2586	GRAS List 3 (25)	02.047	No need for evaluation
Hydroxycitronellal	107-75-5	0611	Evaluated - No safety concern	2583	GRAS List 3	05.012	No need for evaluation
Hydroxycitronellal dimethyl acetal	141-92-4	0612	Evaluated - No safety concern	2585	GRAS List 3	06.011	No need for evaluation
Hydroxycitronellal diethyl acetal	7779-94-4	0613	Evaluated - No safety concern	2584	GRAS List 3 (25)	06.010	No need for evaluation
Diethyl malonate	105-53-3	0614	Evaluated - No safety concern	2375	GRAS List 3	09.490	No need for evaluation
Butyl ethyl malonate	17373-84-1	0615	Evaluated - No safety concern	2195	GRAS List 3	09.441	No need for evaluation
Dimethyl succinate	106-65-0	0616	Evaluated - No safety concern	2396	GRAS List 3 (25)	09.445	No need for evaluation
Diethyl succinate	123-25-1	0617	Evaluated - No safety concern	2377	GRAS List 3 (25)	09.444	No need for evaluation
Fumaric acid	110-17-8	0618	Evaluated - No safety concern	2488	GRAS List 3 (25)	08.025	No need for evaluation
L-Malic acid	97-67-6; 6915-15-7	0619	Evaluated - No safety concern	2655	GRAS List 3 (29)	08.017	No need for evaluation
Diethyl malate	7554-12-3	0620	Evaluated - No safety concern	2374	GRAS List 3 (25)	09.439	No need for evaluation
Tartaric acid (+)-, (-)-, (+/-)-, meso-	87-69-4; 133-37-9; 147-73-9	0621	Evaluated - No safety concern	3044	GRAS List 3 (29)	08.018	No need for evaluation
Diethyl tartrate	87-91-2	0622	Evaluated - No safety concern	2378	GRAS List 3	09.446	No need for evaluation
Adipic acid	124-04-9	0623	Evaluated - No safety concern	2011	GRAS List 3 (25)	08.026	No need for evaluation
Diethyl sebacate	110-40-7	0624	Evaluated - No safety concern	2376	GRAS List 3 (25)	09.475	No need for evaluation
Dibutyl sebacate	109-43-3	0625	Evaluated - No safety concern	2373	GRAS List 3	09.474	No need for evaluation
Ethylene brassylate	105-95-3	0626	Evaluated - No safety concern	3543	GRAS List 11	09.533	No need for evaluation
Aconitic acid	499-12-7	0627	Evaluated - No safety concern	2010	GRAS List 3	08.033	No need for evaluation

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Ethyl aconitate (mixed esters)	1321-30-8	0628	Evaluated - No safety concern	2417	GRAS List 3	09.510	No need for evaluation
Triethyl citrate	77-93-0	0629	Evaluated - No safety concern	3083	GRAS List 3 (25)	09.512	No need for evaluation
Tributyl acetylcitrate	77-90-7	0630	Evaluated - No safety concern	3080	GRAS List 3	09.511	No need for evaluation
3-Methyl-2-oxobutanoic acid	759-05-7; 3715-29-5	0631	Evaluated - No safety concern	3869	GRAS List 18 (25)	08.051	No need for evaluation
3-Methyl-2-oxopentanoic acid	1460-34-0; 3715-31-9	0632	Evaluated - No safety concern	3870	GRAS List 18	08.093	No need for evaluation
4-Methyl-2-oxopentanoic acid	816-66-0; 4502-00-5	0633	Evaluated - No safety concern	3871	GRAS List 18	08.052	No need for evaluation
2-Oxopentanedioic acid	328-50-7	0634	Evaluated - No safety concern	3891	GRAS List 18	08.037	No need for evaluation
3-Hydroxy-2-oxopropionic acid	1113-60-6	0635	Evaluated - No safety concern	3843	GRAS List 18	08.086	No need for evaluation
3-Phenyl-1-propanol	122-97-4	0636	Evaluated - No safety concern	2885	GRAS List 3	02.031	Evaluated - No safety concern
3-Phenylpropyl formate	104-64-3	0637	Evaluated - No safety concern	2895	GRAS List 3 (25)	09.084	Evaluated - No safety concern
3-Phenylpropyl acetate	122-72-5	0638	Evaluated - No safety concern	2890	GRAS List 3	09.032	Evaluated - No safety concern
3-Phenylpropyl propionate	122-74-7	0639	Evaluated - No safety concern	2897	GRAS List 3 (25)	09.138	Evaluated - No safety concern
3-Phenylpropyl isobutyrate	103-58-2	0640	Evaluated - No safety concern	2893	GRAS List 3	09.428	Evaluated - No safety concern
3-Phenylpropyl isovalerate	5452-07-3	0641	Evaluated - No safety concern	2899	GRAS List 3 (25)	09.467	Evaluated - No safety concern
3-Phenylpropyl hexanoate	6281-40-9	0642	Evaluated - No safety concern	2896	GRAS List 3 (25)	09.071	Evaluated - No safety concern
Methyl 3-phenylpropionate	103-25-3	0643	Evaluated - No safety concern	2741	GRAS List 3 (25)	09.746	Evaluated - No safety concern
Ethyl 3-phenylpropionate	2021-28-5	0644	Evaluated - No safety concern	2455	GRAS List 3 (25)	09.747	Evaluated - No safety concern
3-Phenylpropionaldehyde	104-53-0	0645	Evaluated - No safety concern	2887	GRAS List 3	05.080	Evaluated - No safety concern
3-Phenylpropionic acid	501-52-0	0646	Evaluated - No safety concern	2889	GRAS List 3	08.032	Evaluated - No safety concern
Cinnamyl alcohol	104-54-1	0647	Evaluated - No safety concern	2294	GRAS List 3	02.017	Evaluated - No safety concern
Cinnamaldehyde ethylene glycol acetal	5660-60-6	0648	Evaluated - No safety concern	2287	GRAS List 3 (25)	06.014	Evaluated - No safety concern
Cinnamyl formate	104-65-4	0649	Evaluated - No safety concern	2299	GRAS List 3 (25)	09.085	Evaluated - No safety concern
Cinnamyl acetate	103-54-8	0650	Evaluated - No safety concern	2293	GRAS List 3 (25)	09.018	Evaluated - No safety concern
Cinnamyl propionate	103-56-0	0651	Evaluated - No safety concern	2301	GRAS List 3	09.133	Evaluated - No safety concern
Cinnamyl butyrate	103-61-7	0652	Evaluated - No safety concern	2296	GRAS List 3	09.053	Evaluated - No safety concern
Cinnamyl isobutyrate	103-59-3	0653	Evaluated - No safety concern	2297	GRAS List 3	09.470	Evaluated - No safety concern
Cinnamyl isovalerate	140-27-2	0654	Evaluated - No safety concern	2302	GRAS List 3	09.459	Evaluated - No safety concern
Cinnamyl phenylacetate	7492-65-1	0655	Evaluated - No safety concern	2300	GRAS List 3	09.708	Evaluated - No safety concern
Cinnamaldehyde	104-55-2; 14371-10-9	0656	Evaluated - No safety concern	2286	GRAS List 3	05.014	Evaluated - No safety concern
Cinnamic acid	621-82-9	0657	Evaluated - No safety concern	2288	GRAS List 3 (28)	08.022	Evaluated - No safety concern
Methyl cinnamate	103-26-4	0658	Evaluated - No safety concern	2698	GRAS List 3 (25)	09.740	Evaluated - No safety concern
Ethyl cinnamate	103-36-6	0659	Evaluated - No safety concern	2430	GRAS List 3	09.730	Evaluated - No safety concern
Propyl cinnamate	7778-83-8	0660	Evaluated - No safety concern	2938	GRAS List 3	09.731	Evaluated - No safety concern
Isopropyl cinnamate	7780-06-5	0661	Evaluated - No safety concern	2939	GRAS List 3 (25)	09.732	Evaluated - No safety concern
Butyl cinnamate	538-65-8	0663	Evaluated - No safety concern	2192	GRAS List 3	09.733	Evaluated - No safety concern
Isobutyl cinnamate	122-67-8	0664	Evaluated - No safety concern	2193	GRAS List 3	09.734	Evaluated - No safety concern
Isoamyl cinnamate	7779-65-9	0665	Evaluated - No safety concern	2063	GRAS List 3	09.742	Evaluated - No safety concern
Heptyl cinnamate	10032-08-3	0666	Evaluated - No safety concern	2551	GRAS List 3	09.782	Evaluated - No safety concern
Cyclohexyl cinnamate	7779-17-1	0667	Evaluated - No safety concern	2352	GRAS List 3 (25)	09.744	Evaluated - No safety concern
Linalyl cinnamate	78-37-5	0668	Evaluated - No safety concern	2641	GRAS List 3	09.736	Evaluated - No safety concern
Terpinyl cinnamate	10024-56-3	0669	Evaluated - No safety concern	3051	GRAS List 3	09.737	Evaluated - No safety concern
Benzyl cinnamate	103-41-3	0670	Evaluated - No safety concern	2142	GRAS List 3	09.738	Evaluated - No safety concern
Phenethyl cinnamate	103-53-7	0671	Evaluated - No safety concern	2863	GRAS List 3 (25)	09.743	Evaluated - No safety concern
3-Phenylpropyl cinnamate	122-68-9	0672	Evaluated - No safety concern	2894	GRAS List 3 (25)	09.745	Evaluated - No safety concern
Cinnamyl cinnamate	122-69-0	0673	Evaluated - No safety concern	2298	GRAS List 3 (25)	09.739	Evaluated - No safety concern
alpha-Amylcinnamyl alcohol	101-85-9	0674	Evaluated - No safety concern	2065	GRAS List 3	02.030	Evaluated - No safety concern

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5-Phenylpentanol	10521-91-2	0675	Evaluated - No safety concern	3618	GRAS List 12	02.051	Evaluated - No safety concern
alpha-Amylcinnamyl formate	7493-79-0	0676	Evaluated - No safety concern	2066	GRAS List 3	09.090	Evaluated - No safety concern
alpha-Amylcinnamyl acetate	7493-78-9	0677	Evaluated - No safety concern	2064	GRAS List 3	09.026	Evaluated - No safety concern
alpha-Amylcinnamyl isovalerate	7493-80-3	0678	Evaluated - No safety concern	2067	GRAS List 3 (25)	09.468	Evaluated - No safety concern
3-Phenyl-4-pentenal	939-21-9	0679	Evaluated - No safety concern	3318	GRAS List 5	05.103	Evaluated - No safety concern
3-(p-Isopropylphenyl)propionaldehyde	7775-00-0	0680	Evaluated - No safety concern	2957	GRAS List 3	05.094	Evaluated - No safety concern
alpha-Amylcinnamaldehyde dimethyl acetal	91-87-2	0681	Evaluated - No safety concern	2062	GRAS List 3	06.013	Evaluated - No safety concern
p-Methylcinnamaldehyde	1504-75-2	0682	Evaluated - No safety concern	3640	GRAS List 12	05.122	Evaluated - No safety concern
alpha-Methylcinnamaldehyde	101-39-3	0683	Evaluated - No safety concern	2697	GRAS List 3	05.050	Evaluated - No safety concern
alpha-Butylcinnamaldehyde	7492-44-6	0684	Evaluated - No safety concern	2191	GRAS List 3	05.039	Evaluated - No safety concern
alpha-Amylcinnamaldehyde	122-40-7	0685	Evaluated - No safety concern	2061	GRAS List 3 (25)	05.040	Evaluated - No safety concern
alpha-Hexylcinnamaldehyde	101-86-0	0686	Evaluated - No safety concern	2569	GRAS List 3 (25)	05.041	Evaluated - No safety concern
p-Methoxycinnamaldehyde	1963-36-6	0687	Evaluated - No safety concern	3567	GRAS List 11	05.118	Evaluated - No safety concern
o-Methoxycinnamaldehyde	1504-74-1	0688	Evaluated - No safety concern	3181	GRAS List 4 (25)	05.048	Evaluated - No safety concern
p-Methoxy-alpha-methyl-cinnamaldehyde	65405-67-6	0689	Evaluated - No safety concern	3182	GRAS List 4	05.051	Evaluated - No safety concern
Phenol	108-95-2	0690	Evaluated - No safety concern	3223	GRAS List 4 (25)	04.041	Evaluated - No safety concern
o-Cresol	95-48-7	0691	Evaluated - No safety concern	3480	GRAS List 10 (29)	04.027	Evaluated - No safety concern
m-Cresol	108-39-4	0692	Evaluated - No safety concern	3530	GRAS List 11 (29)	04.026	Evaluated - No safety concern
p-Cresol	106-44-5	0693	Evaluated - No safety concern	2337	GRAS List 3 (25)	04.028	Evaluated - No safety concern
p-Ethylphenol	123-07-9	0694	Evaluated - No safety concern	3156	GRAS List 4	04.022	Evaluated - No safety concern
o-Propylphenol	644-35-9	0695	Evaluated - No safety concern	3522	GRAS List 10	04.046	Evaluated - No safety concern
p-Propylphenol	645-56-7	0696	Evaluated - No safety concern	3649	GRAS List 12	04.050	Evaluated - No safety concern
2-Isopropylphenol	88-69-7	0697	Evaluated - No safety concern	3461	GRAS List 9 (25)	04.044	Evaluated - No safety concern
o-Tolyl acetate	533-18-6	0698	Evaluated - No safety concern	3072	GRAS List 3	09.228	Evaluated - No safety concern
p-Tolyl acetate	140-39-6	0699	Evaluated - No safety concern	3073	GRAS List 3	09.036	Evaluated - No safety concern
o-Tolyl isobutyrate	36438-54-7	0700	Evaluated - No safety concern	3753	GRAS List 14	09.480	Evaluated - No safety concern
p-Tolyl isobutyrate	103-93-5	0701	Evaluated - No safety concern	3075	GRAS List 3	09.429	Evaluated - No safety concern
p-Tolyl 3-methylbutyrate	55066-56-3	0702	Evaluated - No safety concern	3387	GRAS List 6	09.518	Evaluated - No safety concern
p-Tolyl octanoate	59558-23-5	0703	Evaluated - No safety concern	3733	GRAS List 13	09.301	Evaluated - No safety concern
p-Tolyl laurate	10024-57-4	0704	Evaluated - No safety concern	3076	GRAS List 3	09.102	Evaluated - No safety concern
p-Tolyl phenylacetate	101-94-0	0705	Evaluated - No safety concern	3077	GRAS List 3	09.709	Evaluated - No safety concern
1-Hydroxy-2,5-dimethylbenzene	95-87-4	0706	Evaluated - No safety concern	3595	GRAS List 11 (25)	04.019	Evaluated - No safety concern
2,6-Xylenol	576-26-1	0707	Evaluated - No safety concern	3249	GRAS List 4 (25)	04.042	Evaluated - No safety concern
3,4-Xylenol	95-65-8	0708	Evaluated - No safety concern	3596	GRAS List 11 (25)	04.048	Evaluated - No safety concern
Thymol	89-83-8	0709	Evaluated - No safety concern	3066	GRAS List 3 (25)	04.006	Evaluated - No safety concern
Carvacrol	499-75-2	0710	Evaluated - No safety concern	2245	GRAS List 3	04.031	Evaluated - No safety concern
p-Vinylphenol	2628-17-3	0711	Evaluated - No safety concern	3739	GRAS List 13	04.057	Evaluated - No safety concern
Resorcinol	108-46-3	0712	Evaluated - No safety concern	3589	GRAS List 11	04.047	Evaluated - No safety concern
Guaiacol	90-05-1	0713	Evaluated - No safety concern	2532	GRAS List 3 (29)	04.005	Evaluated - No safety concern
o-(Ethoxymethyl)phenol	20920-83-6	0714	Evaluated - No safety concern	3485	GRAS List 10	04.045	Evaluated - No safety concern
2-Methoxy-4-methylphenol	93-51-6	0715	Evaluated - No safety concern	2671	GRAS List 3 (29)	04.007	Evaluated - No safety concern
4-Ethylguaiacol	2785-89-9	0716	Evaluated - No safety concern	2436	GRAS List 3 (25)	04.008	Evaluated - No safety concern
2-Methoxy-4-propylphenol	2785-87-7	0717	Evaluated - No safety concern	3598	GRAS List 12 (29)	04.049	Evaluated - No safety concern
Guaiacyl acetate	613-70-7	0718	Evaluated - No safety concern	3687	GRAS List 13	09.174	Evaluated - No safety concern
Guaiacyl phenylacetate	4112-89-4	0719	Evaluated - No safety concern	2535	GRAS List 3	09.711	Evaluated - No safety concern
Hydroquinone monoethyl ether	622-62-8	0720	Evaluated - No safety concern	3695	GRAS List 13 (25)	04.037	Evaluated - No safety concern
2,6-Dimethoxyphenol	91-10-1	0721	Evaluated - No safety concern	3137	GRAS List 4 (29)	04.036	Evaluated - No safety concern
4-Methyl-2,6-dimethoxyphenol	6638-05-7	0722	Evaluated - No safety concern	3704	GRAS List 13	04.053	Evaluated - No safety concern
4-Ethyl-2,6-dimethoxyphenol	14059-92-8	0723	Evaluated - No safety concern	3671	GRAS List 13	04.052	Evaluated - No safety concern
4-Propyl-2,6-dimethoxyphenol	6766-82-1	0724	Evaluated - No safety concern	3729	GRAS List 13	04.056	Evaluated - No safety concern

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2-Methoxy-4-vinylphenol	7786-61-0	0725	Evaluated - No safety concern	2675	GRAS List 3 (29)	04.009	Evaluated - No safety concern
4-Allyl-2,6-dimethoxyphenol	6627-88-9	0726	Evaluated - No safety concern	3655	GRAS List 13	04.051	Evaluated - No safety concern
2-Hydroxyacetophenone	118-93-4	0727	Evaluated - No safety concern	3548	GRAS List 11	07.124	Evaluated - No safety concern
4-(p-Hydroxyphenyl)-2-butanone	5471-51-2	0728	Evaluated - No safety concern	2588	GRAS List 3 (29)	07.055	Evaluated - No safety concern
Dihydroxyacetophenone	28631-86-9	0729	Evaluated - No safety concern	3662	GRAS List 13	07.135	Evaluated - No safety concern
Zingerone	122-48-5	0730	Evaluated - No safety concern	3124	GRAS List 3 (25)	07.005	Evaluated - No safety concern
4-(p-Acetoxyphenyl)-2-butanone	3572-06-3	0731	Evaluated - No safety concern	3652	GRAS List 13	09.288	Evaluated - No safety concern
Vanillylidene acetone	1080-12-2	0732	Evaluated - No safety concern	3738	GRAS List 13 (19)		No longer supported for evaluation
4-(1,1-Dimethylethyl)phenol	98-54-4	0733	Evaluated - No safety concern	3918	GRAS List 19	04.064	Evaluated - No safety concern
Phenyl acetate	122-79-2	0734	Evaluated - No safety concern	3958	GRAS List 19	09.688	Evaluated - No safety concern
2-Phenylphenol	90-43-7	0735	Evaluated - No safety concern	3959	GRAS List 19		
Phenyl salicylate	118-55-8	0736	Evaluated - No safety concern	3960	GRAS List 19	09.689	Evaluated - No safety concern
2,3,6-Trimethylphenol	2416-94-6	0737	Evaluated - No safety concern	3963	GRAS List 19	04.085	Evaluated - No safety concern
Furfuryl acetate	623-17-6	0739	Evaluated - No safety concern	2490	GRAS List 3 (25)	13.128	Evaluated - No safety concern
Furfuryl propionate	623-19-8	0740	Evaluated - No safety concern	3346	GRAS List 6	13.062	Evaluated - No safety concern
Furfuryl pentanoate	36701-01-6	0741	Evaluated - No safety concern	3397	GRAS List 7 (25)	13.068	Evaluated - No safety concern
Furfuryl octanoate	39252-03-4	0742	Evaluated - No safety concern	3396	GRAS List 7	13.067	Evaluated - No safety concern
Furfuryl 3-methylbutanoate	13678-60-9	0743	Evaluated - No safety concern	3283	GRAS List 5	13.057	Evaluated - No safety concern
5-Methylfurfural	620-02-0	0745	Evaluated - No safety concern	2702	GRAS List 3 (29)	13.001	Evaluated - No safety concern
Methyl 2-furoate	611-13-2	0746	Evaluated - No safety concern	2703	GRAS List 3 (25)	13.002	Evaluated - No safety concern
Propyl 2-furoate	615-10-1	0747	Evaluated - No safety concern	2946	GRAS List 3	13.003	Evaluated - No safety concern
Amyl 2-furoate	1334-82-3	0748	Evaluated - No safety concern	2072	GRAS List 3	13.025	Evaluated - No safety concern
Hexyl 2-furoate	39251-86-0	0749	Evaluated - No safety concern	2571	GRAS List 3 (25)	13.005	Evaluated - No safety concern
Octyl 2-furoate	39251-88-2	0750	Evaluated - No safety concern	3518	GRAS List 10	13.073	Evaluated - No safety concern
2-Benzofurancarboxaldehyde	4265-16-1	0751	Evaluated - No safety concern	3128	GRAS List 4	13.031	Evaluated - No safety concern
2-Phenyl-3-carbethoxyfuran	50626-02-3	0752	Evaluated - No safety concern	3468	GRAS List 9	13.038	Evaluated - No safety concern
Pulegone	89-82-7	0753	Evaluated - No safety concern	2963	GRAS List 3 (25)		
Isopulegone	29606-79-9	0754	Evaluated - No safety concern	2964	GRAS List 3 (25)	07.067	Evaluated - No safety concern
Isopulegol	89-79-2	0755	Evaluated - No safety concern	2962	GRAS List 3 (25)	02.067	Evaluated - No safety concern
Isopulegyl acetate	57576-09-7; 89-49-6	0756	Evaluated - No safety concern	2965	GRAS List 3 (25)	09.219	Evaluated - No safety concern
p-Menth-1,4(8)-dien-3-one	491-09-8	0757	Evaluated - No safety concern	3560	GRAS List 11		No longer supported for evaluation
Menthofuran	494-90-6	0758	Evaluated - No safety concern	3235	GRAS List 4 (25)		No longer supported for evaluation
Furfuryl butyrate	623-21-2	0759	Evaluated for specifications only			13.130	Evaluated - No safety concern
Cinnamyl benzoate	5320-75-2	0760	Evaluated - No safety concern	4703	GRAS List 25	09.780	Evaluated - No safety concern
2-Methylpyrazine	109-08-0	0761	Evaluated - No safety concern	3309	GRAS List 5	14.027	Evaluated - No safety concern
2-Ethylpyrazine	13925-00-3	0762	Evaluated - No safety concern	3281	GRAS List 5	14.022	Evaluated - No safety concern
2-Propylpyrazine	18138-03-9	0763	Evaluated - No safety concern	3961	GRAS List 19	14.142	Evaluated - No safety concern
2-Isopropylpyrazine	29460-90-0	0764	Evaluated - No safety concern	3940	GRAS List 19	14.123	Evaluated - No safety concern
2,3-Dimethylpyrazine	5910-89-4	0765	Evaluated - No safety concern	3271	GRAS List 5 (29)	14.050	Evaluated - No safety concern
2,5-Dimethylpyrazine	123-32-0	0766	Evaluated - No safety concern	3272	GRAS List 5	14.020	Evaluated - No safety concern
2,6-Dimethylpyrazine	108-50-9	0767	Evaluated - No safety concern	3273	GRAS List 5 (29)	14.021	Evaluated - No safety concern
2-Ethyl-3-methylpyrazine	15707-23-0	0768	Evaluated - No safety concern	3155	GRAS List 4	14.006	Evaluated - No safety concern
2-Ethyl-6-methylpyrazine	13925-03-6; 36731-41-6	0769	Evaluated - No safety concern	3919	GRAS List 19	14.114	Evaluated - No safety concern
2-Ethyl-5-methylpyrazine	13360-64-0	0770	Evaluated - No safety concern	3154	GRAS List 4 (25)	14.017	Evaluated - No safety concern
2,3-Diethylpyrazine	15707-24-1	0771	Evaluated - No safety concern	3136	GRAS List 4 (25)	14.005	Evaluated - No safety concern

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2-Methyl-5-isopropylpyrazine	13925-05-8	0772	Evaluated - No safety concern	3554	GRAS List 11 (25)	14.026	Evaluated - No safety concern
2-Isobutyl-3-methylpyrazine	13925-06-9	0773	Evaluated - No safety concern	3133	GRAS List 4	14.044	Evaluated - No safety concern
2,3,5-Trimethylpyrazine	14667-55-1	0774	Evaluated - No safety concern	3244	GRAS List 4 (25)	14.019	Evaluated - No safety concern
2-Ethyl-3 (5 or 6)-dimethylpyrazine	27043-05-6; 13925-07-0; 13360-65-1	0775	Evaluated - No safety concern	3149	GRAS List 4	14.100	Evaluated - No safety concern
3-Ethyl-2,5-dimethylpyrazine	13360-65-1	0775	Evaluated - No safety concern	3149	GRAS List 4	14.111	Evaluated - No safety concern
2-Ethyl-3,5-dimethylpyrazine	13925-07-0	0776	Evaluated - No safety concern	3150	GRAS List 4	14.024	Evaluated - No safety concern
2,3-Diethyl-5-methylpyrazine	18138-04-0	0777	Evaluated - No safety concern	3336	GRAS List 6 (25)	14.056	Evaluated - No safety concern
2,5-Diethyl-3-methylpyrazine	32736-91-7	0778	Evaluated - No safety concern	3915	GRAS List 19	14.096	Evaluated - No safety concern
3,5-Diethyl-2-methylpyrazine	18138-05-1	0779	Evaluated - No safety concern	3916	GRAS List 19	14.095	Evaluated - No safety concern
2,3,5,6-Tetramethylpyrazine	1124-11-4	0780	Evaluated - No safety concern	3237	GRAS List 4 (25)	14.018	Evaluated - No safety concern
5-Methyl-6,7-dihydro-5H-cyclopentapyrazine	23747-48-0	0781	Evaluated - No safety concern	3306	GRAS List 5	14.037	Evaluated - No safety concern
6,7-Dihydro-2,3-dimethyl-5H-cyclopentapyrazine	38917-63-4	0782	Evaluated - No safety concern	3917	GRAS List 19	14.098	Evaluated - No safety concern
Cyclohexylmethylpyrazine	28217-92-7	0783	Evaluated - No safety concern	3631	GRAS List 12	14.069	Evaluated - No safety concern
2-Acetylpyrazine	22047-25-2	0784	Evaluated - No safety concern	3126	GRAS List 4	14.032	Evaluated - No safety concern
2-Acetyl-3-ethylpyrazine	32974-92-8	0785	Evaluated - No safety concern	3250	GRAS List 5	14.049	Evaluated - No safety concern
2-Acetyl-3,(5 or 6)-dimethylpyrazine	54300-08-2; 54300-09-3; 72797-17-2	0786	Evaluated - No safety concern	3327	GRAS List 6 (25)	14.055	Evaluated - No safety concern
Methoxypyrazine	3149-28-8	0787	Evaluated - No safety concern	3302	GRAS List 5	14.054	Evaluated - No safety concern
2-Methoxy-(3,5 or 6)-methylpyrazine	2847-30-5;2882-22-6;2882-21-5;68378-13-2	0788	Evaluated - No safety concern	3183	GRAS List 4 (25)	14.025	Evaluated - No safety concern
2-Methoxy-3-methylpyrazine	2847-30-5	0788	Evaluated - No safety concern	3183	GRAS List 4 (25)	14.126	Evaluated - No safety concern
Ethyl-(3,5 or 6)-methoxypyrazine (85%) and 2-Methyl-(3,5 or 6)-methoxypyrazine (13%)	25680-58-4; 68039-50-9; 67845-38-9	0789	Evaluated - No safety concern	3280	GRAS List 5	14.077	Evaluated - No safety concern
2-Ethyl-3-methoxypyrazine	25680-58-4	0789	Evaluated - No safety concern	3280	GRAS List 5	14.112	Evaluated - No safety concern
2,5 or 6-Methoxy-3-ethylpyrazine	68739-00-4	0789	Evaluated - No safety concern	3280	GRAS List 5		No longer supported for evaluation
2-Isopropyl-3-methoxypyrazine	25773-40-4	0790	Evaluated - No safety concern	3358	GRAS List 6 (29)	14.057	Evaluated - No safety concern
2-Methoxy-(3,5 or 6)-isopropylpyrazine	93905-03-4; 56891-99-7; 68039-46-3	0790	Evaluated - No safety concern	3358	GRAS List 6 (29)	14.121	Evaluated - No safety concern
2-Methoxy-3-(1-methylpropyl)pyrazine	24168-70-5	0791	Evaluated - No safety concern	3433	GRAS List 8 (25)	14.062	Evaluated - No safety concern
2-Isobutyl-3-methoxypyrazine	24683-00-9	0792	Evaluated - No safety concern	3132	GRAS List 4	14.043	Evaluated - No safety concern
2-Methyl-3,5 or 6-ethoxypyrazine	32737-14-7; 67845-34-5; 53163-97-6	0793	Evaluated - No safety concern	3569	GRAS List 11	14.067	Evaluated - No safety concern
2-Ethoxy-3-methylpyrazine	32737-14-7	0793	Evaluated - No safety concern	3569	GRAS List 11	14.109	Evaluated - No safety concern
2-Mercaptomethylpyrazine	59021-02-2	0794	Evaluated - No safety concern	3299	GRAS List 5	14.053	Evaluated - No safety concern
2-Pyrazinylethanethiol	35250-53-4	0795	Evaluated - No safety concern	3230	GRAS List 4	14.031	Evaluated - No safety concern
Pyrazinyl methyl sulfide	21948-70-9	0796	Evaluated - No safety concern	3231	GRAS List 4	14.034	Evaluated - No safety concern
(3, 5 or 6)-Methylthio-2-methylpyrazine	67952-65-2;2882-20-4;2884-14-2;2884-13-1	0797	Evaluated - No safety concern	3208	GRAS List 4 (25)	14.035	Evaluated - No safety concern
2-Methyl-3-methylthiopyrazine	2882-20-4	0797	Evaluated - No safety concern	3208	GRAS List 4 (25)	14.128	Evaluated - No safety concern
5-Methylquinoxaline	13708-12-8	0798	Evaluated - No safety concern	3203	GRAS List 4	14.028	Evaluated - No safety concern

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alpha-Methylbenzyl alcohol	98-85-1	0799	Evaluated - No safety concern	2685	GRAS List 3	02.064	Evaluated - No safety concern
alpha-Methylbenzyl formate	7775-38-4	0800	Evaluated - No safety concern	2688	GRAS List 3 (25)	09.179	Evaluated - No safety concern
alpha-Methylbenzyl acetate	93-92-5	0801	Evaluated - No safety concern	2684	GRAS List 3	09.178	Evaluated - No safety concern
alpha-Methylbenzyl propionate	120-45-6	0802	Evaluated - No safety concern	2689	GRAS List 3	09.144	Evaluated - No safety concern
alpha-Methylbenzyl butyrate	3460-44-4	0803	Evaluated - No safety concern	2686	GRAS List 3	09.231	Evaluated - No safety concern
alpha-Methylbenzyl isobutyrate	7775-39-5	0804	Evaluated - No safety concern	2687	GRAS List 3	09.486	Evaluated - No safety concern
p,alpha-Dimethylbenzyl alcohol	536-50-5	0805	Evaluated - No safety concern	3139	GRAS List 4	02.080	Evaluated - No safety concern
Acetophenone	98-86-2	0806	Evaluated - No safety concern	2009	GRAS List 3	07.004	Evaluated - No safety concern
4-Methylacetophenone	122-00-9	0807	Evaluated - No safety concern	2677	GRAS List 3	07.022	Evaluated - No safety concern
p-Isopropylacetophenone	645-13-6	0808	Evaluated - No safety concern	2927	GRAS List 3	07.042	Evaluated - No safety concern
2,4-Dimethylacetophenone	89-74-7	0809	Evaluated - No safety concern	2387	GRAS List 3	07.023	Evaluated - No safety concern
Acetanisole	100-06-1	0810	Evaluated - No safety concern	2005	GRAS List 3 (25)	07.038	Evaluated - No safety concern
Methyl beta-naphthyl ketone	93-08-3	0811	Evaluated - No safety concern	2723	GRAS List 3	07.013	Evaluated - No safety concern
4-Acetyl-6-t-butyl-1,1-dimethylindan	13171-00-1	0812	Evaluated - No safety concern	3653	GRAS List 13		No longer supported for evaluation
1-(p-Methoxyphenyl)-2-propanone	122-84-9	0813	Evaluated - No safety concern	2674	GRAS List 3	07.087	Evaluated - No safety concern
alpha-Methylphenethyl butyrate	68922-11-2	0814	Evaluated - No safety concern	3197	GRAS List 4	09.249	Evaluated - No safety concern
4-Phenyl-2-butanol	2344-70-9	0815	Evaluated - No safety concern	2879	GRAS List 3	02.036	Evaluated - No safety concern
4-Phenyl-2-butyl acetate	10415-88-0	0816	Evaluated - No safety concern	2882	GRAS List 3	09.200	Evaluated - No safety concern
4-(p-Tolyl)-2-butanone	7774-79-0	0817	Evaluated - No safety concern	3074	GRAS List 3	07.026	Evaluated - No safety concern
4-(p-Methoxyphenyl)-2-butanone	104-20-1	0818	Evaluated - No safety concern	2672	GRAS List 3 (25)	07.029	Evaluated - No safety concern
4-Phenyl-3-buten-2-ol	17488-65-2	0819	Evaluated - No safety concern	2880	GRAS List 3 (25)	02.066	Evaluated - No safety concern
4-Phenyl-3-buten-2-one	122-57-6	0820	Evaluated - No safety concern	2881	GRAS List 3 (25)	07.024	Evaluated - No safety concern
3-Methyl-4-phenyl-3-buten-2-one	1901-26-4	0821	Evaluated - No safety concern	2734	GRAS List 3 (25)	07.027	Evaluated - No safety concern
1-Phenyl-1-propanol	93-54-9	0822	Evaluated - No safety concern	2884	GRAS List 3	02.033	Evaluated - No safety concern
alpha-Ethylbenzyl butyrate	10031-86-4	0823	Evaluated - No safety concern	2424	GRAS List 3	09.189	Evaluated - No safety concern
Propiophenone	93-55-0	0824	Evaluated - No safety concern	3469	GRAS List 9	07.040	Evaluated - No safety concern
alpha-Propylphenethyl alcohol	705-73-7	0825	Evaluated - No safety concern	2953	GRAS List 3	02.034	Evaluated - No safety concern
1-(p-Methoxyphenyl)-1-penten-3-one	104-27-8	0826	Evaluated - No safety concern	2673	GRAS List 3 (25)		No longer supported for evaluation
alpha-Isobutylphenethyl alcohol	7779-78-4	0827	Evaluated - No safety concern	2208	GRAS List 3 (25)	02.065	Evaluated - No safety concern
4-Methyl-1-phenyl-2-pentanone	5349-62-2	0828	Evaluated - No safety concern	2740	GRAS List 3 (25)	07.025	Evaluated - No safety concern
1-(4-Methoxyphenyl)-4-methyl-1-penten-3-one	103-13-9	0829	Evaluated - No safety concern	3760	GRAS List 15		No longer supported for evaluation
3-Benzyl-4-heptanone	7492-37-7	0830	Evaluated - No safety concern	2146	GRAS List 3	07.070	Evaluated - No safety concern
Benzophenone	119-61-9	0831	Evaluated - No safety concern	2134	GRAS List 3 (25)	07.032	Evaluated - No safety concern
1,3-Diphenyl-2-propanone	102-04-5	0832	Evaluated - No safety concern	2397	GRAS List 3	07.086	Evaluated - No safety concern
1-Phenyl-1,2-propanedione	579-07-7	0833	Evaluated - No safety concern	3226	GRAS List 4 (25)	07.079	Evaluated - No safety concern
Ethyl benzoylacetate	94-02-0	0834	Evaluated - No safety concern	2423	GRAS List 3 (25)	09.476	Evaluated - No safety concern
Ethyl 2-acetyl-3-phenylpropionate	620-79-1	0835	Evaluated - No safety concern	2416	GRAS List 3	09.501	Evaluated - No safety concern
Benzoin	119-53-9	0836	Evaluated - No safety concern	2132	GRAS List 3	07.028	Evaluated - No safety concern
Benzaldehyde dimethyl acetal	1125-88-8	0837	Evaluated - No safety concern	2128	GRAS List 3	06.003	Evaluated - No safety concern
Benzaldehyde glyceryl acetal	1319-88-6; 1708-40-3; 1708-39-0	0838	Evaluated - No safety concern	2129	GRAS List 3	06.002	Evaluated - No safety concern
Benzaldehyde propylene glycol acetal	2568-25-4	0839	Evaluated - No safety concern	2130	GRAS List 3 (25)	06.032	Evaluated - No safety concern
Benzyl 2-methoxyethyl acetal	7492-39-9	0840	Evaluated - No safety concern	2148	GRAS List 3	06.019	Evaluated - No safety concern
Benzyl formate	104-57-4	0841	Evaluated - No safety concern	2145	GRAS List 3	09.077	Evaluated - No safety concern
Benzyl propionate	122-63-4	0842	Evaluated - No safety concern	2150	GRAS List 3 (25)	09.132	Evaluated - No safety concern
Benzyl butyrate	103-37-7	0843	Evaluated - No safety concern	2140	GRAS List 3	09.051	Evaluated - No safety concern
Benzyl isobutyrate	103-28-6	0844	Evaluated - No safety concern	2141	GRAS List 3 (25)	09.426	Evaluated - No safety concern

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Name	CAS	JECFA	JECFA - Safety Status (Link to WHO Database)	FEMA	FEMA - Safety Status (Link to FEMA Flavor Library)	FL. No	EFSA - Safety Status (Link to EFSA Database)
Benzyl isovalerate	103-38-8	0845	Evaluated - No safety concern	2152	GRAS List 3 (25)	09.458	Evaluated - No safety concern
Benzyl trans-2-methyl-2-butenolate	37526-88-8	0846	Evaluated - No safety concern	3330	GRAS List 6	09.494	Evaluated - No safety concern
Benzyl 2,3-dimethylcrotonate	7492-69-5	0847	Evaluated - No safety concern	2143	GRAS List 3	09.508	Evaluated - No safety concern
Benzyl acetoacetate	5396-89-4	0848	Evaluated - No safety concern	2136	GRAS List 3 (25)	09.406	Evaluated - No safety concern
Benzyl phenylacetate	102-16-9	0849	Evaluated - No safety concern	2149	GRAS List 3	09.705	Evaluated - No safety concern
Benzoic acid	65-85-0	0850	Evaluated - No safety concern	2131	GRAS List 3	08.021	Evaluated - No safety concern
Methyl benzoate	93-58-3	0851	Evaluated - No safety concern	2683	GRAS List 3	09.725	Evaluated - No safety concern
Ethyl benzoate	93-89-0	0852	Evaluated - No safety concern	2422	GRAS List 3	09.726	Evaluated - No safety concern
Propyl benzoate	2315-68-6	0853	Evaluated - No safety concern	2931	GRAS List 3 (25)	09.776	Evaluated - No safety concern
Hexyl benzoate	6789-88-4	0854	Evaluated - No safety concern	3691	GRAS List 13	09.768	Evaluated - No safety concern
Isopropyl benzoate	939-48-0	0855	Evaluated - No safety concern	2932	GRAS List 3	09.770	Evaluated - No safety concern
Isobutyl benzoate	120-50-3	0856	Evaluated - No safety concern	2185	GRAS List 3 (25)	09.757	Evaluated - No safety concern
Isoamyl benzoate	94-46-2	0857	Evaluated - No safety concern	2058	GRAS List 3	09.755	Evaluated - No safety concern
cis-3-Hexenyl benzoate	25152-85-6	0858	Evaluated - No safety concern	3688	GRAS List 13	09.806	Evaluated - No safety concern
Linalyl benzoate	126-64-7	0859	Evaluated - No safety concern	2638	GRAS List 3	09.771	Evaluated - No safety concern
Geranyl benzoate	94-48-4	0860	Evaluated - No safety concern	2511	GRAS List 3	09.767	Evaluated - No safety concern
Glyceryl tribenzoate	614-33-5	0861	Evaluated - No safety concern	3398	GRAS List 7	09.812	Evaluated - No safety concern
Propylene glycol dibenzoate	19224-26-1	0862	Evaluated - No safety concern	3419	GRAS List 7	09.803	Evaluated - No safety concern
Methylbenzyl acetate (mixed o,m,p)	29759-11-3; 30676-70-1; 17373-93-2; 2216-45-7	0863	Evaluated - No safety concern	3702	GRAS List 13 (25)	09.294	Evaluated - No safety concern
p-Isopropylbenzyl alcohol	536-60-7	0864	Evaluated - No safety concern	2933	GRAS List 3 (25)	02.039	Evaluated - No safety concern
4-Ethylbenzaldehyde	4748-78-1	0865	Evaluated - No safety concern	3756	GRAS List 15	05.068	Evaluated - No safety concern
ortho-Tolualdehyde	529-20-4	0866	Evaluated - No safety concern	3068	GRAS List 3	05.026	Evaluated - No safety concern
Tolualdehydes (mixed o,m,p)	1334-78-7	0866	Evaluated - No safety concern	3068	GRAS List 3	05.027	Evaluated - No safety concern
meta-Tolualdehyde	620-23-5	0866	Evaluated - No safety concern	3068	GRAS List 3	05.028	Evaluated - No safety concern
para-Tolualdehyde	104-87-0	0866	Evaluated - No safety concern	3068	GRAS List 3	05.029	Evaluated - No safety concern
Tolualdehyde glyceryl acetal (mixed isomers)	1333-09-1	0867	Evaluated - No safety concern	3067	GRAS List 3	06.012	Evaluated - No safety concern
Cuminaldehyde	122-03-2	0868	Evaluated - No safety concern	2341	GRAS List 3	05.022	Evaluated - No safety concern
2,4-Dimethylbenzaldehyde	15764-16-6	0869	Evaluated - No safety concern	3427	GRAS List 8 (25)	05.110	Evaluated - No safety concern
Butyl p-hydroxybenzoate	94-26-8	0870	Evaluated - No safety concern	2203	GRAS List 3		No longer supported for evaluation
Anisyl alcohol	105-13-5	0871	Evaluated - No safety concern	2099	GRAS List 3 (25)	02.128	Evaluated - No safety concern
Anisyl formate	122-91-8	0872	Evaluated - No safety concern	2101	GRAS List 3 (25)	09.087	Evaluated - No safety concern
Anisyl acetate	104-21-2	0873	Evaluated - No safety concern	2098	GRAS List 3	09.019	Evaluated - No safety concern
Anisyl propionate	7549-33-9	0874	Evaluated - No safety concern	2102	GRAS List 3 (29)	09.145	Evaluated - No safety concern
Anisyl butyrate	6963-56-0	0875	Evaluated - No safety concern	2100	GRAS List 3 (25)	09.058	Evaluated - No safety concern
Anisyl phenylacetate	102-17-0	0876	Evaluated - No safety concern	3740	GRAS List 14	09.706	Evaluated - No safety concern
Veratraldehyde	120-14-9	0877	Evaluated - No safety concern	3109	GRAS List 3 (25)	05.017	Evaluated - No safety concern
p-Methoxybenzaldehyde	123-11-5	0878	Evaluated - No safety concern	2670	GRAS List 3	05.015	Evaluated - No safety concern
p-Ethoxybenzaldehyde	10031-82-0	0879	Evaluated - No safety concern	2413	GRAS List 3 (25)	05.056	Evaluated - No safety concern
Methyl o-methoxybenzoate	606-45-1	0880	Evaluated - No safety concern	2717	GRAS List 3 (25)	09.796	Evaluated - No safety concern
2-Methoxybenzoic acid	579-75-9	0881	Evaluated - No safety concern	3943	GRAS List 19		
3-Methoxybenzoic acid	586-38-9	0882	Evaluated - No safety concern	3944	GRAS List 19	08.092	Evaluated - No safety concern
4-Methoxybenzoic acid	100-09-4	0883	Evaluated - No safety concern	3945	GRAS List 19	08.071	Evaluated - No safety concern
Methyl anisate	121-98-2	0884	Evaluated - No safety concern	2679	GRAS List 3	09.713	Evaluated - No safety concern
Ethyl p-anisate	94-30-4	0885	Evaluated - No safety concern	2420	GRAS List 3 (25)	09.714	Evaluated - No safety concern
Vanillyl alcohol	498-00-0	0886	Evaluated - No safety concern	3737	GRAS List 13	02.213	Evaluated - No safety concern
Vanillyl ethyl ether	13184-86-6	0887	Evaluated - No safety concern	3815	GRAS List 17 (22)	04.094	Evaluated - No safety concern

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Vanillyl butyl ether	82654-98-6	0888	Evaluated - No safety concern	3796	GRAS List 16 (25)	04.093	Evaluated - No safety concern
Vanillin	121-33-5	0889	Evaluated - No safety concern	3107	GRAS List 3 (29)	05.018	Evaluated - No safety concern
Vanillin acetate	881-68-5	0890	Evaluated - No safety concern	3108	GRAS List 3	09.035	Evaluated - No safety concern
Vanillin isobutyrate	20665-85-4	0891	Evaluated - No safety concern	3754	GRAS List 14	09.811	Evaluated - No safety concern
Ethyl vanillin beta-D-glucopyranoside	122397-96-0	0892	Evaluated - No safety concern	3801	GRAS List 17	16.075	Evaluated - No safety concern
Ethyl vanillin	121-32-4	0893	Evaluated - No safety concern	2464	GRAS List 3	05.019	Evaluated - No safety concern
Piperonyl acetate	326-61-4	0894	Evaluated - No safety concern	2912	GRAS List 3 (25)	09.220	Evaluated - No safety concern
Piperonyl isobutyrate	5461-08-5	0895	Evaluated - No safety concern	2913	GRAS List 3 (25)	09.430	Evaluated - No safety concern
Piperonal	120-57-0	0896	Evaluated - No safety concern	2911	GRAS List 3 (25)	05.016	Evaluated - No safety concern
Salicylaldehyde	90-02-8	0897	Evaluated - No safety concern	3004	GRAS List 3	05.055	Evaluated - No safety concern
2-Hydroxy-4-methylbenzaldehyde	698-27-1	0898	Evaluated - No safety concern	3697	GRAS List 13	05.091	Evaluated - No safety concern
Methyl salicylate	119-36-8	0899	Evaluated - No safety concern	2745	GRAS List 3	09.749	Evaluated - No safety concern
Ethyl salicylate	118-61-6	0900	Evaluated - No safety concern	2458	GRAS List 3 (25)	09.748	Evaluated - No safety concern
Butyl salicylate	2052-14-4	0901	Evaluated - No safety concern	3650	GRAS List 12	09.763	Evaluated - No safety concern
Isobutyl salicylate	87-19-4	0902	Evaluated - No safety concern	2213	GRAS List 3 (25)	09.750	Evaluated - No safety concern
Isoamyl salicylate	87-20-7	0903	Evaluated - No safety concern	2084	GRAS List 3 (25)	09.751	Evaluated - No safety concern
Benzyl salicylate	118-58-1	0904	Evaluated - No safety concern	2151	GRAS List 3 (25)	09.752	Evaluated - No safety concern
Phenethyl salicylate	87-22-9	0905	Evaluated - No safety concern	2868	GRAS List 3	09.753	Evaluated - No safety concern
o-Tolyl salicylate	617-01-6	0907	Evaluated - No safety concern	3734	GRAS List 13	09.807	Evaluated - No safety concern
2,4-Dihydroxybenzoic acid	89-86-1	0908	Evaluated - No safety concern	3798	GRAS List 17	08.076	Evaluated - No safety concern
Glycerol	56-81-5	0909	Evaluated - No safety concern	2525	GRAS List 3 (29)		
3-Oxohexanoic acid glyceride	91052-72-1	0910	Evaluated - No safety concern	3770	GRAS List 15	09.555	Evaluated - No safety concern
3-Oxooctanoic acid glyceride	91052-68-5	0911	Evaluated - No safety concern	3771	GRAS List 15	09.556	Evaluated - No safety concern
Heptanal glyceryl acetal (mixed 1,2 and 1,3 acetals)	72854-42-3; 1708-35-6	0912	Evaluated - No safety concern	2542	GRAS List 3	06.029	Evaluated - No safety concern
1,2,3-Tris([1'-ethoxy]-ethoxy)propane	67715-82-6	0913	Evaluated - No safety concern	3593	GRAS List 11	06.040	Evaluated - No safety concern
3-Oxodecanoic acid glyceride	91052-69-6	0914	Evaluated - No safety concern	3767	GRAS List 15	09.552	Evaluated - No safety concern
3-Oxododecanoic acid glyceride	91052-70-9	0915	Evaluated - No safety concern	3768	GRAS List 15	09.553	Evaluated - No safety concern
3-Oxotetradecanoic acid glyceride	91052-73-2	0916	Evaluated - No safety concern	3772	GRAS List 15	09.557	Evaluated - No safety concern
3-Oxohexadecanoic acid glyceride	91052-71-0	0917	Evaluated - No safety concern	3769	GRAS List 15	09.554	Evaluated - No safety concern
Glyceryl monostearate	123-94-4	0918	Evaluated - No safety concern	2527	GRAS List 3		
Glyceryl monooleate	111-03-5	0919	Evaluated - No safety concern	2526	GRAS List 3		
Triacetin	102-76-1	0920	Evaluated - No safety concern	2007	GRAS List 3		
Glyceryl tripropionate	139-45-7	0921	Evaluated - No safety concern	3286	GRAS List 5 (25)	09.263	Evaluated - No safety concern
Tributyrin	60-01-5	0922	Evaluated - No safety concern	2223	GRAS List 3 (25)	09.211	Evaluated - No safety concern
Glyceryl 5-hydroxydecanoate	26446-31-1	0923	Evaluated - No safety concern	3685	GRAS List 13	09.543	Evaluated - No safety concern
Glyceryl 5-hydroxydodecanoate	26446-32-2	0924	Evaluated - No safety concern	3686	GRAS List 13	09.544	Evaluated - No safety concern
Propylene glycol	57-55-6	0925	Evaluation discontinued	2940	GRAS List 3		
Propylene glycol stearate	142-75-6	0926	Evaluated - No safety concern	2942	GRAS List 3		
1,2-Di((1'-ethoxy)-ethoxy)propane	67715-79-1	0927	Evaluated - No safety concern	3534	GRAS List 11	06.039	Evaluated - No safety concern
4-Methyl-2-pentyl-1,3-dioxolane	1599-49-1; 26563-74-6	0928	Evaluated - No safety concern	3630	GRAS List 12	06.094	Evaluated - No safety concern
2,2,4-Trimethyl-1,3-oxacyclopentane	1193-11-9	0929	Evaluated - No safety concern	3441	GRAS List 8	06.098	Evaluated - No safety concern
Lactic acid	50-21-5; 10326-41-7; 79-33-4	0930	Evaluated - No safety concern	2611	GRAS List 3 (29)	08.004	Evaluated - No safety concern
Ethyl lactate	97-64-3	0931	Evaluated - No safety concern	2440	GRAS List 3	09.433	Evaluated - No safety concern
Butyl lactate	138-22-7	0932	Evaluated - No safety concern	2205	GRAS List 3 (25)	09.434	Evaluated - No safety concern
Potassium 2-(1'-ethoxy)ethoxypropanoate	100743-68-8	0933	Evaluated - No safety concern	3752	GRAS List 14	16.039	Evaluated - No safety concern
cis-3-Hexenyl lactate	61931-81-5	0934	Evaluated - No safety concern	3690	GRAS List 13 (25)	09.545	Evaluated - No safety concern
Butyl butyryllactate	7492-70-8	0935	Evaluated - No safety concern	2190	GRAS List 3 (25)	09.491	Evaluated - No safety concern

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Pyruvic acid	127-17-3	0936	Evaluated - No safety concern	2970	GRAS List 3 (25)	08.019	Evaluated - No safety concern
Pyruvaldehyde	78-98-8	0937	Evaluated - No safety concern	2969	GRAS List 3	07.001	Evaluated - No safety concern
Ethyl pyruvate	617-35-6	0938	Evaluated - No safety concern	2457	GRAS List 3	09.442	Evaluated - No safety concern
Isoamyl pyruvate	7779-72-8	0939	Evaluated - No safety concern	2083	GRAS List 3	09.443	Evaluated - No safety concern
1,1-Dimethoxyethane	534-15-6	0940	Evaluated - No safety concern	3426	GRAS List 8	06.015	Evaluated - No safety concern
Acetal	105-57-7	0941	Evaluated - No safety concern	2002	GRAS List 3 (29)	06.001	Evaluated - No safety concern
Octanal dimethyl acetal	10022-28-3	0942	Evaluated - No safety concern	2798	GRAS List 3	06.008	Evaluated - No safety concern
Acetaldehyde ethyl cis-3-hexenyl acetal	28069-74-1	0943	Evaluated - No safety concern	3775	GRAS List 16	06.081	Evaluated - No safety concern
Citral dimethyl acetal	7549-37-3	0944	Evaluated - No safety concern	2305	GRAS List 3 (25)	06.005	Evaluated - No safety concern
Decanal dimethyl acetal	7779-41-1	0945	Evaluated - No safety concern	2363	GRAS List 3 (25)	06.009	Evaluated - No safety concern
2,6-Nonadienal diethyl acetal	67674-36-6	0946	Evaluated - No safety concern	3378	GRAS List 6 (25)	06.025	Evaluated - No safety concern
Heptanal dimethyl acetal	10032-05-0	0947	Evaluated - No safety concern	2541	GRAS List 3	06.028	Evaluated - No safety concern
Citral diethyl acetal	7492-66-2	0948	Evaluated - No safety concern	2304	GRAS List 3	06.004	Evaluated - No safety concern
4-Heptenal diethyl acetal	18492-65-4; 1192738-48-9	0949	Evaluated - No safety concern	3349	GRAS List 6	06.037	Evaluated - No safety concern
2-Acetyl-3-methylpyrazine	23787-80-6	0950	Evaluated - No safety concern	3964	GRAS List 20	14.082	Evaluated - No safety concern
Pyrazine	290-37-9	0951	Evaluated - No safety concern	4015	GRAS List 20	14.144	Evaluated - No safety concern
5,6,7,8-Tetrahydroquinoxaline	34413-35-9	0952	Evaluated - No safety concern	3321	GRAS List 5	14.015	Evaluated - No safety concern
Ethyl vanillin isobutyrate	188417-26-7	0953	Evaluated - No safety concern	3837	GRAS List 18	09.933	Evaluated - No safety concern
Ethyl vanillin propylene glycol acetal	68527-76-4	0954	Evaluated - No safety concern	3838	GRAS List 18		
4-Hydroxybenzyl alcohol	623-05-2	0955	Evaluated - No safety concern	3987	GRAS List 20	02.165	Evaluated - No safety concern
4-Hydroxybenzaldehyde	123-08-0	0956	Evaluated - No safety concern	3984	GRAS List 20	05.047	Evaluated - No safety concern
4-Hydroxybenzoic acid	99-96-7	0957	Evaluated - No safety concern	3986	GRAS List 20	08.040	Evaluated - No safety concern
2-Hydroxybenzoic acid	69-72-7	0958	Evaluated - No safety concern	3985	GRAS List 20	08.112	Evaluated - No safety concern
4-Hydroxy-3-methoxy benzoic acid	121-34-6	0959	Evaluated - No safety concern	3988	GRAS List 20	08.043	Evaluated - No safety concern
Vanillin erythro- & threo-butan-2,3-diol acetal	63253-24-7	0960	Evaluated - No safety concern	4023	GRAS List 20	06.132	Evaluated - No safety concern
Cyclohexanecarboxylic acid	98-89-5	0961	Evaluated - No safety concern	3531	GRAS List 11	08.060	Evaluated - No safety concern
Methyl cyclohexanecarboxylate	4630-82-4	0962	Evaluated - No safety concern	3568	GRAS List 11	09.536	Evaluated - No safety concern
Ethyl cyclohexanecarboxylate	3289-28-9	0963	Evaluated - No safety concern	3544	GRAS List 11	09.534	Evaluated - No safety concern
Cyclohexaneethyl acetate	21722-83-8	0964	Evaluated - No safety concern	2348	GRAS List 3	09.028	Evaluated - No safety concern
Cyclohexylacetic acid	5292-21-7	0965	Evaluated - No safety concern	2347	GRAS List 3	08.034	Evaluated - No safety concern
Ethyl cyclohexanepropionate	10094-36-7	0966	Evaluated - No safety concern	2431	GRAS List 3 (25)	09.488	Evaluated - No safety concern
2,2,3-Trimethylcyclopent-3-en-1-yl acetaldehyde	4501-58-0	0967	Evaluated - No safety concern	3592	GRAS List 11 (25)	05.119	Evaluated - No safety concern
cis-5-Isopropenyl-cis-2-methylcyclopentan-1-carboxaldehyde	55253-28-6	0968	Evaluated - No safety concern	3645	GRAS List 12	05.123	Evaluated - No safety concern
Campholene acetate	36789-59-0	0969	Evaluated - No safety concern	3657	GRAS List 13 (25)	09.289	Evaluated - No safety concern
alpha-Campholenic alcohol	1901-38-8	0970	Evaluated - No safety concern	3741	GRAS List 14	02.114	Evaluated - No safety concern
p-Menth-1-en-9-al	29548-14-9	0971	Evaluated - No safety concern	3178	GRAS List 4	05.098	Evaluated - No safety concern
1-p-Menthen-9-yl acetate	28839-13-6; 17916-91-5	0972	Evaluated - No safety concern	3566	GRAS List 11	09.615	Evaluated - No safety concern
p-Mentha-1,8-dien-7-al	2111-75-3	0973	Evaluation pending	3557	GRAS List 11 (25)		Safety Concern (genotoxicity)
p-Mentha-1,8-dien-7-ol	536-59-4	0974	Evaluated - No safety concern	2664	GRAS List 3	02.060	Evaluated - No safety concern
p-Mentha-1,8-dien-7-yl acetate	15111-96-3	0975	Evaluated - No safety concern	3561	GRAS List 11	09.278	Evaluated - No safety concern
1,2,5,6-Tetrahydrocuminic acid	71298-42-5	0976	Evaluated - No safety concern	3731	GRAS List 13	08.067	Evaluated - No safety concern
2,6,6-Trimethylcyclohexa-1,3-dienyl methanal	116-26-7	0977	Evaluated - No safety concern	3389	GRAS List 6 (25)	05.104	Evaluated - No safety concern
2,6,6-Trimethyl-1-cyclohexen-1-acetaldehyde	472-66-2	0978	Evaluated - No safety concern	3474	GRAS List 9	05.112	Evaluated - No safety concern
2,6,6-Trimethylcyclohex-2-ene-1-carboxaldehyde	432-24-6	0979	Evaluated - No safety concern	3639	GRAS List 12	05.182	Evaluated - No safety concern
2,6,6-Trimethyl-1&2-cyclohexen-1-carboxaldehyde	432-25-7	0979	Evaluated - No safety concern	3639	GRAS List 12		No longer supported for evaluation
2-Formyl-6,6-dimethylbicyclo[3.1.1]hept-2-ene (Myrtenal)	564-94-3	0980	Evaluated - No safety concern	3395	GRAS List 7	05.106	Evaluated - No safety concern
Myrtenol	515-00-4	0981	Evaluated - No safety concern	3439	GRAS List 8	02.091	Evaluated - No safety concern

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Myrtenyl acetate	1079-01-2	0982	Evaluated - No safety concern	3765	GRAS List 15	09.302	Evaluated - No safety concern
6,6-Myrtenyl formate	72928-52-0	0983	Evaluated - No safety concern	3405	GRAS List 7		No longer supported for evaluation
12-beta-Santalen-14-ol	77-42-9; 37172-32-0	0984	Evaluated - No safety concern	3006	GRAS List 3	02.216	Evaluated - No safety concern
12-alpha-Santalen-14-ol	115-71-9	0984	Evaluated - No safety concern	3006	GRAS List 3	02.217	Evaluated - No safety concern
Santalol (alpha and beta)	11031-45-1	0984	Evaluated - No safety concern	3006	GRAS List 3		
Santalyl acetate (alpha and beta)	1323-00-8	0985	Evaluated - No safety concern	3007	GRAS List 3	09.034	Evaluated - No safety concern
10-Hydroxymethylene-2-pinene	128-50-7	0986	Evaluated - No safety concern	3938	GRAS List 19	02.141	Evaluated - No safety concern
Phenethyl alcohol	60-12-8	0987	Evaluated - No safety concern	2858	GRAS List 3 (29)	02.019	Evaluated - No safety concern
Phenethyl formate	104-62-1	0988	Evaluated - No safety concern	2864	GRAS List 3	09.083	Evaluated - No safety concern
Phenethyl acetate	103-45-7	0989	Evaluated - No safety concern	2857	GRAS List 3 (25)	09.031	Evaluated - No safety concern
Phenethyl propionate	122-70-3	0990	Evaluated - No safety concern	2867	GRAS List 3	09.137	Evaluated - No safety concern
Phenethyl butyrate	103-52-6	0991	Evaluated - No safety concern	2861	GRAS List 3 (25)	09.168	Evaluated - No safety concern
Phenethyl isobutyrate	103-48-0	0992	Evaluated - No safety concern	2862	GRAS List 3	09.427	Evaluated - No safety concern
Phenethyl 2-methylbutyrate	24817-51-4	0993	Evaluated - No safety concern	3632	GRAS List 12	09.538	Evaluated - No safety concern
Phenethyl isovalerate	140-26-1	0994	Evaluated - No safety concern	2871	GRAS List 3	09.466	Evaluated - No safety concern
Phenethyl hexanoate	6290-37-5	0995	Evaluated - No safety concern	3221	GRAS List 4	09.261	Evaluated - No safety concern
Phenethyl octanoate	5457-70-5	0996	Evaluated - No safety concern	3222	GRAS List 4	09.262	Evaluated - No safety concern
Phenethyl tiglate	55719-85-2	0997	Evaluated - No safety concern	2870	GRAS List 3 (25)	09.496	Evaluated - No safety concern
Phenethyl senecioate	42078-65-9	0998	Evaluated - No safety concern	2869	GRAS List 3	09.407	Evaluated - No safety concern
Phenethyl phenylacetate	102-20-5	0999	Evaluated - No safety concern	2866	GRAS List 3	09.707	Evaluated - No safety concern
Acetaldehyde phenethyl propyl acetal	7493-57-4	1000	Evaluated - No safety concern	2004	GRAS List 3 (25)	06.016	Evaluated - No safety concern
Acetaldehyde butyl phenethyl acetal	64577-91-9	1001	Evaluated - No safety concern	3125	GRAS List 4	06.036	Evaluated - No safety concern
Phenylacetaldehyde	122-78-1	1002	Evaluated - No safety concern	2874	GRAS List 3	05.030	Evaluated - No safety concern
Phenylacetaldehyde dimethyl acetal	101-48-4	1003	Evaluated - No safety concern	2876	GRAS List 3 (25)	06.006	Evaluated - No safety concern
Phenylacetaldehyde glyceryl acetal	29895-73-6	1004	Evaluated - No safety concern	2877	GRAS List 3	06.007	Evaluated - No safety concern
Phenylacetaldehyde 2,3-butylene glycol acetal	5468-06-4	1005	Evaluated - No safety concern	2875	GRAS List 3	06.027	Evaluated - No safety concern
Phenylacetaldehyde diisobutyl acetal	68345-22-2	1006	Evaluated - No safety concern	3384	GRAS List 6	06.024	Evaluated - No safety concern
Phenylacetic acid	103-82-2	1007	Evaluated - No safety concern	2878	GRAS List 3 (25)	08.038	Evaluated - No safety concern
Methyl phenylacetate	101-41-7	1008	Evaluated - No safety concern	2733	GRAS List 3	09.783	Evaluated - No safety concern
Ethyl phenylacetate	101-97-3	1009	Evaluated - No safety concern	2452	GRAS List 3 (25)	09.784	Evaluated - No safety concern
Propyl phenylacetate	4606-15-9	1010	Evaluated - No safety concern	2955	GRAS List 3	09.702	Evaluated - No safety concern
Isopropyl phenylacetate	4861-85-2	1011	Evaluated - No safety concern	2956	GRAS List 3	09.786	Evaluated - No safety concern
Butyl phenylacetate	122-43-0	1012	Evaluated - No safety concern	2209	GRAS List 3	09.787	Evaluated - No safety concern
Isobutyl phenylacetate	102-13-6	1013	Evaluated - No safety concern	2210	GRAS List 3	09.788	Evaluated - No safety concern
Isoamyl phenylacetate	102-19-2	1014	Evaluated - No safety concern	2081	GRAS List 3 (25)	09.789	Evaluated - No safety concern
Hexyl phenylacetate	5421-17-0	1015	Evaluated - No safety concern	3457	GRAS List 9 (25)	09.804	Evaluated - No safety concern
3-Hexenyl phenylacetate	42436-07-7	1016	Evaluated - No safety concern	3633	GRAS List 12	09.805	Evaluated - No safety concern
Octyl phenylacetate	122-45-2	1017	Evaluated - No safety concern	2812	GRAS List 3	09.703	Evaluated - No safety concern
Rhodinyl phenylacetate	10486-14-3	1018	Evaluated - No safety concern	2985	GRAS List 3	09.791	Evaluated - No safety concern
Linalyl phenylacetate	7143-69-3	1019	Evaluated - No safety concern	3501	GRAS List 10	09.772	Evaluated - No safety concern
Geranyl phenylacetate	102-22-7	1020	Evaluated - No safety concern	2516	GRAS List 3	09.704	Evaluated - No safety concern
Citronellyl phenylacetate	139-70-8	1021	Evaluated - No safety concern	2315	GRAS List 3 (25)	09.785	Evaluated - No safety concern
Santalyl phenylacetate (alpha and beta)	1323-75-7	1022	Evaluated - No safety concern	3008	GRAS List 3	09.712	Evaluated - No safety concern
p-Tolylacetaldehyde	104-09-6	1023	Evaluated - No safety concern	3071	GRAS List 3	05.042	Evaluated - No safety concern
p-Isopropylphenylacetaldehyde	4395-92-0	1024	Evaluated - No safety concern	2954	GRAS List 3	05.044	Evaluated - No safety concern
Methyl p-tert-butylphenylacetate	3549-23-3	1025	Evaluated - No safety concern	2690	GRAS List 3 (25)	09.758	Evaluated - No safety concern
Phenoxyacetic acid	122-59-8	1026	Evaluated - No safety concern	2872	GRAS List 3	08.049	Evaluated - No safety concern
Ethyl (p-tolyl)acetate	67028-40-4	1027	Evaluated - No safety concern	3157	GRAS List 4	09.797	Evaluated - No safety concern

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2-Phenoxyethyl isobutyrate	103-60-6	1028	Evaluated - No safety concern	2873	GRAS List 3 (25)	09.487	Evaluated - No safety concern
Sodium 2-(4-methoxyphenoxy)propanoate	13794-15-5; 150436-68-3	1029	Evaluated - No safety concern	3773	GRAS List 15 (23)	16.041	Evaluated - No safety concern
Thiamine hydrochloride	67-03-8	1030	Evaluated - No safety concern	3322	GRAS List 5	16.027	Evaluated - No safety concern
4-Methyl-5-thiazoleethanol	137-00-8	1031	Evaluated - No safety concern	3204	GRAS List 4 (25)	15.014	Evaluated - No safety concern
Thiazole	288-47-1	1032	Evaluated - No safety concern	3615	GRAS List 12		No longer supported for evaluation
2-(1-Methylpropyl)thiazole	18277-27-5	1033	Evaluated - No safety concern	3372	GRAS List 6	15.022	Evaluated - No safety concern
2-Isobutylthiazole	18640-74-9	1034	Evaluated - No safety concern	3134	GRAS List 4	15.013	Evaluated - No safety concern
4,5-Dimethylthiazole	3581-91-7	1035	Evaluated - No safety concern	3274	GRAS List 5	15.017	Evaluated - No safety concern
2,4,5-Trimethylthiazole	13623-11-5	1036	Evaluated - No safety concern	3325	GRAS List 5	15.019	Evaluated - No safety concern
2-Isopropyl-4-methylthiazole	15679-13-7	1037	Evaluated - No safety concern	3555	GRAS List 11	15.026	Evaluated - No safety concern
4-Methyl-5-vinylthiazole	1759-28-0	1038	Evaluated - No safety concern	3313	GRAS List 5	15.018	Evaluation pending
2,4-Dimethyl-5-vinylthiazole	65505-18-2	1039	Evaluated - No safety concern	3145	GRAS List 4	15.005	Evaluation pending
Benzothiazole	95-16-9	1040	Evaluated - No safety concern	3256	GRAS List 5	15.016	Evaluated - No safety concern
2-Acetylthiazole	24295-03-2	1041	Evaluated - No safety concern	3328	GRAS List 6 (25)	15.020	Evaluated - No safety concern
2-Propionylthiazole	43039-98-1	1042	Evaluated - No safety concern	3611	GRAS List 12	15.027	Evaluated - No safety concern
4-Methylthiazole	693-95-8	1043	Evaluated - No safety concern	3716	GRAS List 13	15.035	Evaluated - No safety concern
2-Ethyl-4-methylthiazole	15679-12-6	1044	Evaluated - No safety concern	3680	GRAS List 13 (25)	15.033	Evaluated - No safety concern
4,5-Dimethyl-2-isobutyl-3-thiazoline	65894-83-9	1045	Evaluated - No safety concern	3621	GRAS List 12	15.032	Evaluation pending
2-Isobutyl-4,6-dimethyldihydro-1,3,5-dithiazine and 4-isobutyl-2,6-dimethyldihydro-1,3,5-dithiazine (mixture)	101517-87-7; 101517-86-6	1046	Evaluated - No safety concern	3781	GRAS List 16	15.079	Evaluated - No safety concern
2-Isopropyl-4,6-dimethyl and 4-Isopropyl-2,6-dimethyldihydro-1,3,5-dithiazine (mixture)	104691-40-9; 104691-41-0	1047	Evaluated - No safety concern	3782	GRAS List 16	15.057	Evaluated - No safety concern
2,4,6-Triisobutyl-5,6-dihydro-4H-1,3,5-dithiazine	74595-94-1	1048	Evaluated - No safety concern	4017	GRAS List 20	15.113	Evaluated - No safety concern
2,4,6-Trimethyldihydro-4H-1,3,5-dithiazine	638-17-5	1049	Evaluated - No safety concern	4018	GRAS List 20	15.109	Evaluated - No safety concern
5-Methyl-2-thiophenecarboxaldehyde	13679-70-4	1050	Evaluated - No safety concern	3209	GRAS List 4 (25)	15.004	Evaluated - No safety concern
2-Thienylmercaptan	7774-74-5	1052	Evaluated - No safety concern	3062	GRAS List 3	15.001	Evaluated - No safety concern
2-Thienyl disulfide	6911-51-9	1053	Evaluated - No safety concern	3323	GRAS List 5	15.008	Evaluated - No safety concern
4-Methyl-5-thiazoleethanol acetate	656-53-1	1054	Evaluated - No safety concern	3205	GRAS List 4	15.015	Evaluated - No safety concern
2,4-Dimethyl-5-acetylthiazole	38205-60-6	1055	Evaluated - No safety concern	3267	GRAS List 5	15.011	Evaluated - No safety concern
2-Ethoxythiazole	15679-19-3	1056	Evaluated - No safety concern	3340	GRAS List 6	15.021	Evaluated - No safety concern
2-Methyl-5-methoxythiazole	38205-64-0	1057	Evaluated - No safety concern	3192	GRAS List 4	15.002	Evaluated - No safety concern
4,5-Dimethyl-2-ethyl-3-thiazoline	76788-46-0	1058	Evaluated - No safety concern	3620	GRAS List 12	15.030	Evaluation pending
2-(2-Butyl)-4,5-dimethyl-3-thiazoline	65894-82-8	1059	Evaluated - No safety concern	3619	GRAS List 12	15.029	Evaluation pending
2-Methyl-3-furanthiol	28588-74-1	1060	Evaluated - No safety concern	3188	GRAS List 4	13.055	Evaluated - No safety concern
2-Methyl-3-(methylthio)furan	63012-97-5	1061	Evaluated - No safety concern	3949	GRAS List 19	13.152	Evaluated - No safety concern
2-Methyl-5-(methylthio)furan	13678-59-6	1062	Evaluated - No safety concern	3366	GRAS List 6	13.065	Evaluated - No safety concern
2,5-Dimethyl-3-furanthiol	55764-23-3	1063	Evaluated - No safety concern	3451	GRAS List 9	13.071	Evaluated - No safety concern
Methyl 2-methyl-3-furyl disulfide	65505-17-1	1064	Evaluated - No safety concern	3573	GRAS List 11	13.079	Evaluated - No safety concern
Propyl 2-methyl-3-furyl disulfide	61197-09-9	1065	Evaluated - No safety concern	3607	GRAS List 12	13.082	Evaluated - No safety concern
bis-(2-Methyl-3-furyl) disulfide	28588-75-2	1066	Evaluated - No safety concern	3259	GRAS List 5	13.016	Evaluated - No safety concern
bis-(2,5-Dimethyl-3-furyl) disulfide	28588-73-0	1067	Evaluated - No safety concern	3476	GRAS List 9	13.015	Evaluated - No safety concern
bis-(2-Methyl-3-furyl) tetrasulfide	28588-76-3	1068	Evaluated - No safety concern	3260	GRAS List 5	13.017	Evaluated - No safety concern
2-Ethanoic acid, S-(2-methyl-3-furanyl) ester	55764-25-5	1069	Evaluated - No safety concern	3973	GRAS List 20 (21)	13.153	Evaluated - No safety concern
2,5-Dimethyl-3-furan thioisovalerate	55764-28-8	1070	Evaluated - No safety concern	3482	GRAS List 10	13.041	Evaluated - No safety concern
2,5-Dimethyl-3-thiofuroylfuran	65505-16-0	1071	Evaluated - No safety concern	3481	GRAS List 10	13.040	Evaluated - No safety concern
Furfuryl mercaptan	98-02-2	1072	Evaluated - No safety concern	2493	GRAS List 3 (25)	13.026	Evaluated - No safety concern
S-Furfuryl thioformate	59020-90-5	1073	Evaluated - No safety concern	3158	GRAS List 4	13.051	Evaluated - No safety concern
S-Furfuryl thioacetate	13678-68-7	1074	Evaluated - No safety concern	3162	GRAS List 4 (25)	13.033	Evaluated - No safety concern

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5-Furfuryl thiopropionate	59020-85-8	1075	Evaluated - No safety concern	3347	GRAS List 6 (25)	13.063	Evaluated - No safety concern
Furfuryl methyl sulfide	1438-91-1	1076	Evaluated - No safety concern	3160	GRAS List 4	13.053	Evaluated - No safety concern
Furfuryl isopropyl sulfide	1883-78-9	1077	Evaluated - No safety concern	3161	GRAS List 4 (25)	13.032	Evaluated - No safety concern
Methyl furfuryl disulfide	57500-00-2	1078	Evaluated - No safety concern	3362	GRAS List 6	13.064	Evaluated - No safety concern
Propyl furfuryl disulfide	252736-36-0	1079	Evaluated - No safety concern	3979	GRAS List 20	13.197	Evaluated - No safety concern
2,2'-(Thiodimethylene)difuran	13678-67-6	1080	Evaluated - No safety concern	3238	GRAS List 4 (25)		No longer supported for evaluation
2,2'-(Dithiodimethylene)difuran	4437-20-1	1081	Evaluated - No safety concern	3146	GRAS List 4	13.050	Evaluated - No safety concern
2-Methyl-3,5 and 6-(furfurylthio)pyrazine	65530-53-2	1082	Evaluated - No safety concern	3189	GRAS List 4 (25)	13.151	Evaluated - No safety concern
5-Methyl thiofuroate	13679-61-3	1083	Evaluated - No safety concern	3311	GRAS List 5	13.142	Evaluated - No safety concern
4-((2-Furanmethyl)thio)-2-pentanone	180031-78-1	1084	Evaluated - No safety concern	3840	GRAS List 18	13.196	Evaluated - No safety concern
3-[[2-Methyl-3-furyl]thio]-4-heptanone	61295-41-8	1085	Evaluated - No safety concern	3570	GRAS List 11	13.077	Evaluated - No safety concern
2,6-Dimethyl-3-[[2-methyl-3-furyl]thio]-4-heptanone	61295-51-0	1086	Evaluated - No safety concern	3538	GRAS List 11 (25)	13.075	Evaluated - No safety concern
4-[[2-Methyl-3-furyl]thio]-5-nonanone	61295-50-9	1087	Evaluated - No safety concern	3571	GRAS List 11	13.078	Evaluated - No safety concern
Ethyl 3-(furfurylthio)propionate	94278-27-0	1088	Evaluated - No safety concern	3674	GRAS List 13	13.093	Evaluated - No safety concern
2-Methyl-3-thioacetoxo-4,5-dihydrofuran	26486-14-6	1089	Evaluated - No safety concern	3636	GRAS List 12	13.086	Evaluated - No safety concern
2-Methyl-3-tetrahydrofuranthiol	57124-87-5	1090	Evaluated - No safety concern	3787	GRAS List 16 (25)	13.160	Evaluated - No safety concern
2,5-Dimethyl-3-tetrahydrofuranthiol, cis and trans isomers	26486-21-5	1091	Evaluated - No safety concern	3971	GRAS List 20	13.193	Evaluated - No safety concern
2,5-Dimethyl-3-thioacetoxo-tetrahydrofuran, cis and trans isomers	252736-39-3	1092	Evaluated - No safety concern	3972	GRAS List 20	13.194	Evaluated - No safety concern
Cyclohexyl acetate	622-45-7	1093	Evaluated - No safety concern	2349	GRAS List 3 (25)	09.027	Evaluated - No safety concern
Cyclohexyl butyrate	1551-44-6	1094	Evaluated - No safety concern	2351	GRAS List 3 (25)	09.230	Evaluated - No safety concern
Cyclohexyl formate	4351-54-6	1095	Evaluated - No safety concern	2353	GRAS List 3 (25)	09.160	Evaluated - No safety concern
Cyclohexyl isovalerate	7774-44-9	1096	Evaluated - No safety concern	2355	GRAS List 3 (25)	09.464	Evaluated - No safety concern
Cyclohexyl propionate	6222-35-1	1097	Evaluated - No safety concern	2354	GRAS List 3	09.140	Evaluated - No safety concern
cis and trans-p-1(7)8-Menthadien-2-yl acetate	71660-03-2	1098	Evaluated - No safety concern	3848	GRAS List 18	09.930	Evaluated - No safety concern
3,3,5-Trimethyl cyclohexanol	116-02-9	1099	Evaluated - No safety concern	3962	GRAS List 19	02.209	Evaluated - No safety concern
Cyclohexanone	108-94-1	1100	Evaluated - No safety concern	3909	GRAS List 19	07.148	Evaluated - No safety concern
Cyclopentanone	120-92-3	1101	Evaluated - No safety concern	3910	GRAS List 19 (20)	07.149	Evaluated - No safety concern
2-Methylcyclohexanone	583-60-8	1102	Evaluated - No safety concern	3946	GRAS List 19	07.179	Evaluated - No safety concern
3-Methylcyclohexanone	591-24-2	1103	Evaluated - No safety concern	3947	GRAS List 19	07.180	Evaluated - No safety concern
4-Methylcyclohexanone	589-92-4	1104	Evaluated - No safety concern	3948	GRAS List 19		
1-Methyl-1-cyclopentan-3-one	2758-18-1	1105	Evaluated - No safety concern	3435	GRAS List 8 (25)	07.112	Evaluated - No safety concern
2-Hexylidene cyclopentanone	17373-89-6	1106	Evaluated - No safety concern	2573	GRAS List 3	07.034	Evaluated - No safety concern
3-Methyl-2-cyclohexen-1-one	1193-18-6	1107	Evaluated - No safety concern	3360	GRAS List 6	07.098	Evaluated - No safety concern
2,6,6-Trimethylcyclohexanone	2408-37-9	1108	Evaluated - No safety concern	3473	GRAS List 9	07.045	Evaluated - No safety concern
2-(sec-Butyl)-cyclohexanone	14765-30-1	1109	Evaluated - No safety concern	3261	GRAS List 5	07.095	Evaluated - No safety concern
4-Isopropyl-2-cyclohexenone	500-02-7	1110	Evaluated - No safety concern	3939	GRAS List 19	07.172	Evaluated - No safety concern
Tetramethyl ethylcyclohexenone (mixture of isomers)	17369-60-7	1111	Evaluated - No safety concern	3061	GRAS List 3	07.035	Evaluated - No safety concern
Isophorone	78-59-1	1112	Evaluated - No safety concern	3553	GRAS List 11	07.126	Evaluated - No safety concern
3-Methyl-5-propyl-2-cyclohexen-1-one	3720-16-9	1113	Evaluated - No safety concern	3577	GRAS List 11 (25)	07.129	Evaluated - No safety concern
3-Methyl-2-(2-pentenyl)-2-cyclopenten-1-one	488-10-8	1114	Evaluated - No safety concern	3196	GRAS List 4 (25)	07.094	Evaluated - No safety concern
trans-3-Methyl-2-(2-pentenyl)-2-cyclopenten-1-one	6261-18-3	1114	Evaluated - No safety concern	3196	GRAS List 4 (25)	07.219	Evaluated - No safety concern
Isojasmone	11050-62-7	1115	Evaluated - No safety concern	3552	GRAS List 11	07.033	Evaluation pending - genotoxicity cleared
(E)-2-(2-Octenyl)cyclopentanone	65737-52-2	1116	Evaluated - No safety concern	3889	GRAS List 18		
2-(3,7-Dimethyl-2,6-octadienyl)cyclopentanone	68133-79-9	1117	Evaluated - No safety concern	3829	GRAS List 18	07.257	Evaluated - No safety concern
3-Decanone	928-80-3	1118	Evaluated - No safety concern	3966	GRAS List 20	07.151	Evaluated - No safety concern
5-Methyl-5-hexen-2-one	3240-09-3	1119	Evaluated - No safety concern	3365	GRAS List 6	07.100	Evaluated - No safety concern
6-Methyl-5-hepten-2-one	110-93-0	1120	Evaluated - No safety concern	2707	GRAS List 3	07.015	Evaluated - No safety concern
3,4,5,6-Tetrahydropseudoionone	4433-36-7	1121	Evaluated - No safety concern	3059	GRAS List 3 (25)	07.069	Evaluated - No safety concern

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6,10-Dimethyl-5,9-undecadien-2-one	689-67-8; 3796-70-1	1122	Evaluated - No safety concern	3542	GRAS List 11	07.123	Evaluated - No safety concern
2,6,10-Trimethyl-2,6,10-pentadecatrien-14-one	762-29-8	1123	Evaluated - No safety concern	3442	GRAS List 8 (25)	07.114	Evaluated - No safety concern
3-Penten-2-one	625-33-2	1124	Evaluated - No safety concern	3417	GRAS List 7 (25)	07.044	Evaluated - No safety concern
4-Hexen-3-one	2497-21-4	1125	Evaluated - No safety concern	3352	GRAS List 6	07.048	Evaluated - No safety concern
2-Hepten-4-one	4643-25-8	1126	Evaluated - No safety concern	3399	GRAS List 7	07.104	Evaluated - No safety concern
3-Hepten-2-one	1119-44-4	1127	Evaluated - No safety concern	3400	GRAS List 7	07.105	Evaluated - No safety concern
3-Octen-2-one	1669-44-9	1128	Evaluated - No safety concern	3416	GRAS List 7	07.107	Evaluated - No safety concern
2-Octen-4-one	4643-27-0	1129	Evaluated - No safety concern	3603	GRAS List 12	07.082	Evaluated - No safety concern
3-Decen-2-one	10519-33-2	1130	Evaluated - No safety concern	3532	GRAS List 11	07.121	Evaluated - No safety concern
4-Methyl-3-penten-2-one	141-79-7	1131	Evaluated - No safety concern	3368	GRAS List 6	07.101	Evaluated - No safety concern
5-Methyl-3-hexen-2-one	5166-53-0	1132	Evaluated - No safety concern	3409	GRAS List 7	07.106	Evaluated - No safety concern
5-Methyl-2-hepten-4-one	81925-81-7	1133	Evaluated - No safety concern	3761	GRAS List 15	07.139	Evaluated - No safety concern
6-Methyl-3,5-heptadien-2-one	1604-28-0	1134	Evaluated - No safety concern	3363	GRAS List 6	07.099	Evaluated - No safety concern
(E)-7-Methyl-3-octen-2-one	33046-81-0	1135	Evaluated - No safety concern	3868	GRAS List 18	07.177	Evaluated - No safety concern
3-Nonen-2-one	14309-57-0	1136	Evaluated - No safety concern	3955	GRAS List 19	07.188	Evaluated - No safety concern
(E) & (Z)-4,8-Dimethyl-3,7-nonadien-2-one	817-88-9	1137	Evaluated - No safety concern	3969	GRAS List 20	07.256	Evaluated - No safety concern
(E)-6-Methyl-3-hepten-2-one	20859-10-3	1138	Evaluated - No safety concern	4001	GRAS List 20	07.244	Evaluated - No safety concern
(E,E)-3,5-Octadien-2-one	30086-02-3	1139	Evaluated - No safety concern	4008	GRAS List 20	07.247	Evaluated - No safety concern
3-Octen-2-ol	76649-14-4	1140	Evaluated - No safety concern	3602	GRAS List 12	02.102	Evaluated - No safety concern
2-Octen-4-ol	20125-81-9; 4798-61-2	1141	Evaluated - No safety concern	3888	GRAS List 18	02.193	Evaluated - No safety concern
2-Pentyl butyrate	60415-61-4	1142	Evaluated - No safety concern	3893	GRAS List 18	09.658	Evaluated - No safety concern
(+/-)Heptan-3-yl acetate	5921-83-5	1143	Evaluated - No safety concern	3980	GRAS List 20	09.924	Evaluated - No safety concern
(+/-)Heptan-2-yl butyrate	39026-94-3	1144	Evaluated - No safety concern	3981	GRAS List 20	09.923	Evaluated - No safety concern
(+/-)Nonan-3-yl acetate	60826-15-5	1145	Evaluated - No safety concern	4007	GRAS List 20	09.925	Evaluated - No safety concern
2-Pentyl acetate	626-38-0	1146	Evaluated - No safety concern	4012	GRAS List 20	09.657	Evaluated - No safety concern
1-Penten-3-one	1629-58-9	1147	Evaluated - No safety concern	3382	GRAS List 6 (25)	07.102	Evaluated - No safety concern
1-Octen-3-one	4312-99-6	1148	Evaluated - No safety concern	3515	GRAS List 10	07.081	Evaluated - No safety concern
2-Pentyl-1-buten-3-one	63759-55-7	1149	Evaluated - No safety concern	3725	GRAS List 13		No longer supported for evaluation
1-Penten-3-ol	616-25-1	1150	Evaluated - No safety concern	3584	GRAS List 11 (25)	02.099	Evaluated - No safety concern
1-Hexen-3-ol	4798-44-1	1151	Evaluated - No safety concern	3608	GRAS List 12	02.104	Evaluated - No safety concern
1-Octen-3-ol	3391-86-4	1152	Evaluated - No safety concern	2805	GRAS List 3	02.023	Evaluated - No safety concern
1-Decen-3-ol	51100-54-0	1153	Evaluated - No safety concern	3824	GRAS List 18	02.136	Evaluated - No safety concern
(E,R)-3,7-Dimethyl-1,5,7-octatrien-3-ol	20053-88-7; 53834-70-1	1154	Evaluated - No safety concern	3830	GRAS List 18	02.146	Evaluated - No safety concern
6-Undecanone	927-49-1	1155	Evaluated - No safety concern	4022	GRAS List 20	07.249	Evaluated - No safety concern
2-Methylheptan-3-one	13019-20-0	1156	Evaluated - No safety concern	4000	GRAS List 20	07.240	Evaluated - No safety concern
4-Methyl-5-hexen-1,4-olid	1073-11-6	1157	Evaluated - No safety concern	4051	GRAS List 21	10.070	Evaluated - No safety concern
(+/-) 3-Methyl-gamma-decalactone	67663-01-8	1158	Evaluated - No safety concern	3999	GRAS List 20	10.069	Evaluated - No safety concern
4-Hydroxy-4-methyl-7-cis-decenoic acid gamma lactone	70851-61-5	1159	Evaluated - No safety concern	3937	GRAS List 19	10.061	Evaluated - No safety concern
Tuberoso lactone	153175-57-6	1160	Evaluated - No safety concern	4067	GRAS List 21		
Dihydromintlactone	92015-65-1	1161	Evaluated - No safety concern	4032	GRAS List 21	10.050	Evaluated - No safety concern
Mintlactone	13341-72-5	1162	Evaluated - No safety concern		GRAS List 15		No longer supported for evaluation
Dehydromenthofurolactone	75640-26-5; 80417-97-6	1163	Evaluated - No safety concern	3755	GRAS List 15		No longer supported for evaluation
(+/-)-(2,6,6,-Trimethyl-2-hydroxycyclohexylidene)acetic acid gamma-lactone	15356-74-8	1164	Evaluated - No safety concern	4020	GRAS List 20 (28)	10.169	Evaluated - No safety concern
Sciareolide	564-20-5	1165	Evaluated - No safety concern	3794	GRAS List 16	16.055	Evaluated - No safety concern

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Name	CAS	JECFA	JECFA - Safety Status (Link to WHO Database)	FEMA	FEMA - Safety Status (Link to FEMA Flavor Library)	FL. No	EFSA - Safety Status (Link to EFSA Database)
Octahydrocoumarin	4430-31-3	1166	Evaluated - No safety concern	3791	GRAS List 16	13.161	Evaluated - No safety concern
2-(4-Methyl-2-hydroxyphenyl)propionic acid-gamma-lactone	65817-24-5	1167	Evaluated - No safety concern	3863	GRAS List 18	10.072	Evaluated - No safety concern
Propylideneephthalide	17369-59-4	1168	Evaluated - No safety concern	2952	GRAS List 3	10.005	Evaluated - No safety concern
3-n-Butylphthalide	6066-49-5	1169	Evaluated - No safety concern	3334	GRAS List 6	10.025	Evaluated - No safety concern
Butylideneephthalide	551-08-6	1170	Evaluated - No safety concern	3333	GRAS List 6	10.024	Evaluated - No safety concern
Dihydrocoumarin	119-84-6	1171	Evaluated - No safety concern	2381	GRAS List 3 (29)	13.009	Evaluated - No safety concern
Methylcoumarin	92-48-8	1172	Evaluated - No safety concern	2699	GRAS List 3 (25)	13.012	Evaluated - No safety concern
2,4-Pentadienal	764-40-9	1173	Evaluated - No safety concern	3217	GRAS List 4 (25)	05.101	Evaluated - No safety concern
2,4-Hexadien-1-ol	111-28-4	1174	Evaluated - No safety concern	3922	GRAS List 19 (20)	02.162	Evaluated - No safety concern
(E,E)-2,4-Hexadienal	142-83-6	1175	Evaluated - No safety concern	3429	GRAS List 8	05.057	Evaluated - No safety concern
(E,E)-2,4-Hexadienoic acid	110-44-1	1176	Evaluated - No safety concern	3921	GRAS List 19	08.085	Evaluated - No safety concern
Methyl sorbate	689-89-4	1177	Evaluated - No safety concern	3714	GRAS List 13	09.300	Evaluated - No safety concern
Ethyl sorbate	2396-84-1	1178	Evaluated - No safety concern	2459	GRAS List 3 (25)	09.194	Evaluated - No safety concern
(E,E)-2,4-Heptadienal	4313-03-5	1179	Evaluated - No safety concern	3164	GRAS List 4	05.084	Evaluated - No safety concern
(E,E)-2,4-Octadien-1-ol	18409-20-6	1180	Evaluated - No safety concern	3956	GRAS List 19		
trans,trans-2,4-Octadienal	30361-28-5	1181	Evaluated - No safety concern	3721	GRAS List 13	05.127	Evaluated - No safety concern
2,4-Octadienal	5577-44-6	1181	Evaluated - No safety concern	3721	GRAS List 13	05.186	Evaluated - No safety concern
2-trans,6-trans Octadienal	56767-18-1	1182	Evaluated - No safety concern	3466	GRAS List 9 (25)	05.111	Evaluated - No safety concern
2,4-Nonadien-1-ol	62488-56-6	1183	Evaluated - No safety concern	3951	GRAS List 19	02.188	Evaluated - No safety concern
2,6-Nonadien-1-ol	7786-44-9; 5820-89-3	1184	Evaluated - No safety concern	2780	GRAS List 3 (25)	02.049	Evaluated - No safety concern
2(trans),6 (cis)-Nonadien-1-ol	28069-72-9	1184	Evaluated - No safety concern	2780	GRAS List 3 (25)	02.231	Evaluated - No safety concern
2,4-Nonadienal	6750-03-4	1185	Evaluated - No safety concern	3212	GRAS List 4 (29)	05.071	Evaluated - No safety concern
(E,E)-2,4-Nonadienal	5910-87-2	1185	Evaluated - No safety concern	3212	GRAS List 4 (29)	05.194	Evaluated - No safety concern
Nona-2(trans),6(cis)-dienal	557-48-2	1186	Evaluated - No safety concern	3377	GRAS List 6 (25)	05.058	Evaluated - No safety concern
2-trans,6-trans Nonadienal	17587-33-6	1187	Evaluated - No safety concern	3766	GRAS List 15	05.172	Evaluated - No safety concern
(E,Z)-2,6-Nonadien-1-ol acetate	68555-65-7	1188	Evaluated - No safety concern	3952	GRAS List 19	09.947	Evaluated - No safety concern
(E,E)-2,4-Decadien-1-ol	18409-21-7	1189	Evaluated - No safety concern	3911	GRAS List 19	02.139	Evaluated - No safety concern
2,4-Decadienal	2363-88-4	1190	Evaluated - No safety concern	3135	GRAS List 4 (25)	05.081	Evaluated - No safety concern
2-trans,4-trans-Decadienal	25152-84-5	1190	Evaluated - No safety concern	3135	GRAS List 4 (25)	05.140	Evaluated - No safety concern
Methyl (E)-2-(Z)-4-decadienoate	4493-42-9	1191	Evaluated - No safety concern	3859	GRAS List 18	09.639	Evaluated - No safety concern
Ethyl trans-2-cis-4-decadienoate	3025-30-7	1192	Evaluated - No safety concern	3148	GRAS List 4 (25)	09.260	Evaluated - No safety concern
Ethyl 2,4,7-decatrienoate	78417-28-4	1193	Evaluated - No safety concern	3832	GRAS List 18	09.371	Evaluated - No safety concern
Propyl 2,4-decadienoate	84788-08-9	1194	Evaluated - No safety concern	3648	GRAS List 12	09.840	Evaluated - No safety concern
2,4-Undecadienal	13162-46-4	1195	Evaluated - No safety concern	3422	GRAS List 7 (25)	05.108	Evaluated - No safety concern
trans, trans-2,4-Undecadienal	30361-29-6	1195	Evaluated - No safety concern	3422	GRAS List 7 (25)	05.196	Evaluated - No safety concern
trans,trans-2,4-Dodecadienal	21662-16-8	1196	Evaluated - No safety concern	3670	GRAS List 13 (25)	05.125	Evaluated - No safety concern
2-trans-6-cis-Dodecadienal	21662-13-5	1197	Evaluated - No safety concern	3637	GRAS List 12	05.120	Evaluated - No safety concern
2-trans-4-cis-7-cis-Tridecatrienal	13552-96-0	1198	Evaluated - No safety concern	3638	GRAS List 12	05.064	Evaluated - No safety concern
(+/-)-2-Methyl-1-butanol	137-32-6	1199	Evaluated - No safety concern	3998	GRAS List 20 (29)	02.076	Evaluated - No safety concern
3-Methyl-2-buten-1-ol	556-82-1	1200	Evaluated - No safety concern	3647	GRAS List 12	02.109	Evaluated - No safety concern
2-Methyl-2-butenal	497-03-0; 1115-11-3	1201	Evaluated - No safety concern	3407	GRAS List 7	05.095	Evaluated - No safety concern
Methyl-2-butenal	107-86-8	1202	Evaluated - No safety concern	3646	GRAS List 12	05.124	Evaluated - No safety concern
3-Ammonium isovalerate	7563-33-9	1203	Evaluated - No safety concern	2054	GRAS List 3 (25)	16.001	Evaluated - No safety concern
3-Methylcrotonic acid	541-47-9	1204	Evaluated - No safety concern	3187	GRAS List 4	08.070	Evaluated - No safety concern
trans-2-Methyl-2-butenic acid	80-59-1	1205	Evaluated - No safety concern	3599	GRAS List 12	08.064	Evaluated - No safety concern
Isobutyl 2-butenate	589-66-2	1206	Evaluated - No safety concern	3432	GRAS List 8	09.273	Evaluated - No safety concern
2-Methylallyl butyrate	7149-29-3	1207	Evaluated - No safety concern	2678	GRAS List 3		No longer supported for evaluation

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4-Methyl-2-pentenal	5362-56-1	1208	Evaluated - No safety concern	3510	GRAS List 10	05.114	Evaluated - No safety concern
2-Methyl-2-pentenal	623-36-9	1209	Evaluated - No safety concern	3194	GRAS List 4 (25)	05.090	Evaluated - No safety concern
2-Methyl-2-pentenoic acid	3142-72-1	1210	Evaluated - No safety concern	3195	GRAS List 4 (25)	08.055	Evaluated - No safety concern
2,4-Dimethyl-2-pentenoic acid	66634-97-7	1211	Evaluated - No safety concern	3143	GRAS List 4	08.044	Evaluated - No safety concern
2-Methylheptanoic acid	1188-02-9	1212	Evaluated - No safety concern	2706	GRAS List 3 (25)	08.047	Evaluated - No safety concern
Isobutyl angelate	7779-81-9	1213	Evaluated - No safety concern	2180	GRAS List 3	09.408	Evaluated - No safety concern
2-Butyl-2-butenal	25409-08-9	1214	Evaluated - No safety concern	3392	GRAS List 7	05.105	Evaluated - No safety concern
2-Isopropyl-5-methyl-2-hexenal	35158-25-9	1215	Evaluated - No safety concern	3406	GRAS List 7 (25)	05.107	Evaluated - No safety concern
2-Ethyl-2-heptenal	10031-88-6	1216	Evaluated - No safety concern	2438	GRAS List 3 (25)	05.033	Evaluated - No safety concern
2-Methyl-2-octenal	73757-27-4; 49576-57-0	1217	Evaluated - No safety concern	3711	GRAS List 13	05.126	Evaluated - No safety concern
4-Ethyl-octanoic acid	16493-80-4	1218	Evaluated - No safety concern	3800	GRAS List 17	08.079	Evaluated - No safety concern
dl-Citronellol	106-22-9	1219	Evaluated - No safety concern	2309	GRAS List 3 (29)	02.011	Evaluated - No safety concern
(-)-3,7-Dimethyl-6-octen-1-ol	7540-51-4	1219	Evaluated - No safety concern	2309	GRAS List 3 (29)	02.229	Evaluated - No safety concern
Citronellal	106-23-0	1220	Evaluated - No safety concern	2307	GRAS List 3	05.021	Evaluated - No safety concern
3,7-Dimethyl-6-octenoic acid	502-47-6	1221	Evaluated - No safety concern	3142	GRAS List 4 (25)	08.036	Evaluated - No safety concern
Rhodinol	6812-78-8	1222	Evaluated - No safety concern	2980	GRAS List 3	02.027	Evaluated - No safety concern
Geraniol	106-24-1	1223	Evaluated - No safety concern	2507	GRAS List 3	02.012	Evaluated - No safety concern
Nerol	106-25-2	1224	Evaluated - No safety concern	2770	GRAS List 3 (29)	02.058	Evaluated - No safety concern
Citral	5392-40-5	1225	Evaluated - No safety concern	2303	GRAS List 3 (24)	05.020	Evaluated - No safety concern
Neral	106-26-3	1225	Evaluated - No safety concern	2303	GRAS List 3 (24)	05.170	Evaluated - No safety concern
Geranial	141-27-5	1225	Evaluated - No safety concern	2303	GRAS List 3 (24)	05.188	Evaluated - No safety concern
8-Ocimenyl acetate	197098-61-6	1226	Evaluated - No safety concern	3886	GRAS List 18	09.931	Evaluated - No safety concern
2,6-Dimethyl-10-methylene-2,6,11-dodecatrienal	60066-88-8	1227	Evaluated - No safety concern	3141	GRAS List 4		No longer supported for evaluation
3,7,11-Trimethyl-2,6,10-dodecatrienal	19317-11-4	1228	Evaluated - No safety concern	4019	GRAS List 20	05.148	Evaluated - No safety concern
12-Methyltridecanal	75853-49-5	1229	Evaluated - No safety concern	4005	GRAS List 20 (26)	05.169	Evaluated - No safety concern
Farnesol	4602-84-0	1230	Evaluated - No safety concern	2478	GRAS List 3 (25)	02.029	Evaluated - No safety concern
sec-Butyl ethyl ether	2679-87-0	1231	Evaluated - No safety concern	3131	GRAS List 4	03.005	Evaluated - No safety concern
1-Ethoxy-3-methyl-2-butene	22094-00-4	1232	Evaluated - No safety concern	3777	GRAS List 16	03.019	Evaluated - No safety concern
1,4-Cineole	470-67-7	1233	Evaluated - No safety concern	3658	GRAS List 13 (25)	03.007	Evaluated - No safety concern
Eucalyptol	470-82-6	1234	Evaluated - No safety concern	2465	GRAS List 3 (25)	03.001	Evaluated - No safety concern
Nerol oxide	1786-08-9	1235	Evaluated - No safety concern	3661	GRAS List 13 (25)	13.088	Evaluated - No safety concern
2,2,6-Trimethyl-6-vinyltetrahydropyran	7392-19-0	1236	Evaluated - No safety concern	3735	GRAS List 13	13.094	Evaluated - No safety concern
Tetrahydro-4-methyl-2-(2-methylpropen-1-yl)pyran	16409-43-1	1237	Evaluated - No safety concern	3236	GRAS List 4 (30)	13.037	Evaluated - No safety concern
2S-cis-Tetrahydro-4-methyl-2-(2-methyl-1-propenyl)-2H-pyran	3033-23-6	1237	Evaluated - No safety concern	3236	GRAS List 4 (30)	13.170	Evaluated - No safety concern
Theaspirane	36431-72-8	1238	Evaluated - No safety concern	3774	GRAS List 15	13.098	Evaluated - No safety concern
Cycloionone	5552-30-7	1239	Evaluated - No safety concern	3822	GRAS List 18	13.165	Evaluated - No safety concern
1,5,5,9-Tetramethyl-13-oxatricyclo(8.3.0.0(4.9))tridecane	3738-00-9	1240	Evaluated - No safety concern	3471	GRAS List 9 (25)	13.072	Evaluated - No safety concern
Anisole	100-66-3	1241	Evaluated - No safety concern	2097	GRAS List 3 (25)	04.032	Evaluated - No safety concern
1-Methoxy-2-methylbenzene	578-58-5	1242	Evaluated - No safety concern	2680	GRAS List 3 (25)	04.014	Evaluated - No safety concern
1-Methoxy-4-methylbenzene	104-93-8	1243	Evaluated - No safety concern	2681	GRAS List 3	04.015	Evaluated - No safety concern
p-Propylanisole	104-45-0	1244	Evaluated - No safety concern	2930	GRAS List 3 (25)	04.039	Evaluated - No safety concern
2,4-Dimethylanisole	6738-23-4	1245	Evaluated - No safety concern	3828	GRAS List 18	04.063	Evaluated - No safety concern
1-Methyl-3-methoxy-4-isopropylbenzene	1076-56-8	1246	Evaluated - No safety concern	3436	GRAS List 8	04.043	Evaluated - No safety concern
Carvacryl ethyl ether	4732-13-2	1247	Evaluated - No safety concern	2246	GRAS List 3	04.038	Evaluated - No safety concern
1,2-Dimethoxybenzene	91-16-7	1248	Evaluated - No safety concern	3799	GRAS List 17	04.062	Evaluated - No safety concern
m-Dimethoxybenzene	151-10-0	1249	Evaluated - No safety concern	2385	GRAS List 3	04.016	Evaluated - No safety concern
p-Dimethoxybenzene	150-78-7	1250	Evaluated - No safety concern	2386	GRAS List 3	04.034	Evaluated - No safety concern
3,4-Dimethoxy-1-vinylbenzene	6380-23-0	1251	Evaluated - No safety concern	3138	GRAS List 4	04.040	Evaluated - No safety concern

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Benzyl ethyl ether	539-30-0	1252	Evaluated - No safety concern	2144	GRAS List 3	03.003	Evaluated - No safety concern
Benzyl butyl ether	588-67-0	1253	Evaluated - No safety concern	2139	GRAS List 3	03.010	Evaluated - No safety concern
Methyl phenethyl ether	3558-60-9	1254	Evaluated - No safety concern	3198	GRAS List 4	03.006	Evaluated - No safety concern
Diphenyl ether	101-84-8	1255	Evaluated - No safety concern	3667	GRAS List 13	04.035	Evaluated - No safety concern
Dibenzyl ether	103-50-4	1256	Evaluated - No safety concern	2371	GRAS List 3	03.004	Evaluated - No safety concern
beta-Naphthyl methyl ether	93-04-9	1257	Evaluated - No safety concern	4704	GRAS List 25	04.074	Evaluated - No safety concern
o-Methylanisole	93-18-5	1258	Evaluated - No safety concern	2768	GRAS List 3	04.033	Evaluated - No safety concern
beta-Naphthyl isobutyl ether	2173-57-1	1259	Evaluated - No safety concern	3719	GRAS List 13	04.054	Evaluated - No safety concern
Isoeugenol	97-54-1	1260	Evaluated - No safety concern	2468	GRAS List 3	04.004	Evaluated - No safety concern
Isoeugenyl formate	7774-96-1	1261	Evaluated - No safety concern	2474	GRAS List 3 (25)	09.089	Evaluated - No safety concern
Isoeugenyl acetate	93-29-8	1262	Evaluated - No safety concern	2470	GRAS List 3	09.030	Evaluated - No safety concern
Isoeugenyl phenylacetate	120-24-1	1263	Evaluated - No safety concern	2477	GRAS List 3 (25)	09.710	Evaluated - No safety concern
Propenylguaethol	94-86-0	1264	Evaluated - No safety concern	2922	GRAS List 3 (25)	04.002	Evaluated - No safety concern
4-Propenyl-2,6-dimethoxyphenol	20675-95-0	1265	Evaluated - No safety concern	3728	GRAS List 13	04.055	Evaluated - No safety concern
Isoeugenyl methyl ether	93-16-3	1266	Evaluated - No safety concern	2476	GRAS List 3 (25)	04.013	Evaluated - No safety concern
Isoeugenyl ethyl ether	7784-67-0	1267	Evaluated - No safety concern	2472	GRAS List 3	04.017	Evaluated - No safety concern
Isoeugenyl benzyl ether	120-11-6	1268	Evaluated - No safety concern	3698	GRAS List 13	04.018	Evaluated - No safety concern
Isoprenyl acetate	5205-07-2	1269	Evaluated - No safety concern	3991	GRAS List 20	09.655	Evaluated - No safety concern
4-Pentenyl acetate	1576-85-8	1270	Evaluated - No safety concern	4011	GRAS List 20	09.917	Evaluated - No safety concern
3-Hexenal	4440-65-7	1271	Evaluated - No safety concern	3923	GRAS List 19	05.192	Evaluated - No safety concern
trans-3-Hexenyl formate	56922-80-6	1272	Evaluated - No safety concern	3353	GRAS List 6 (25)	09.562	Evaluated - No safety concern
3-Hexenyl formate (cis and trans mixture)	2315-09-5	1272	Evaluated - No safety concern	3353	GRAS List 6 (25)	09.846	Evaluated - No safety concern
Ethyl 5-hexenoate	54653-25-7	1273	Evaluated - No safety concern	3976	GRAS List 20	09.921	Evaluated - No safety concern
cis-Hexenyl propionate	33467-74-2	1274	Evaluated - No safety concern	3933	GRAS List 19	09.564	Evaluated - No safety concern
cis-Hexenyl isobutyrate	41519-23-7	1275	Evaluated - No safety concern	3929	GRAS List 19 (20)	09.563	Evaluated - No safety concern
(Z)-3-Hexenyl (E)-2-butenolate	65405-80-3	1276	Evaluated - No safety concern	3982	GRAS List 20	09.566	Evaluated - No safety concern
cis-Hexenyl tiglate	67883-79-8	1277	Evaluated - No safety concern	3931	GRAS List 19 (20)	09.559	Evaluated - No safety concern
cis-3-Hexenyl valerate	35852-46-1	1278	Evaluated - No safety concern	3936	GRAS List 19 (20)	09.571	Evaluated - No safety concern
3-Hexenyl 2-hexenoate	53398-87-1	1279	Evaluated - No safety concern	3928	GRAS List 19	09.568	Evaluated - No safety concern
(Z)-4-Hepten-1-ol	6191-71-5	1280	Evaluated - No safety concern	3841	GRAS List 18	02.249	Evaluated - No safety concern
Ethyl cis-4-heptenoate	39924-27-1	1281	Evaluated - No safety concern	3975	GRAS List 20	09.922	Evaluated - No safety concern
(Z)-5-Octenyl propionate	196109-18-9	1282	Evaluated - No safety concern	3890	GRAS List 18	09.932	Evaluated - No safety concern
(Z,Z)-3,6-Nonadien-1-ol	53046-97-2; 76649-25-7	1283	Evaluated - No safety concern	3885	GRAS List 18	02.189	Evaluated - No safety concern
(E,Z)-3,6-Nonadien-1-ol	56805-23-3	1284	Evaluated - No safety concern	3884	GRAS List 18	02.243	Evaluated - No safety concern
(E,Z)-3,6-Nonadien-1-ol acetate	211323-05-6	1285	Evaluated - No safety concern	3953	GRAS List 19	09.674	Evaluated - No safety concern
9-Decenal	39770-05-3	1286	Evaluated - No safety concern	3912	GRAS List 19	05.139	Evaluated - No safety concern
4-Decenoic Acid	26303-90-2	1287	Evaluated - No safety concern	3914	GRAS List 19	08.075	Evaluated - No safety concern
cis-4-Decenyl acetate	67452-27-1	1288	Evaluated - No safety concern	3967	GRAS List 20	09.918	Evaluated - No safety concern
erythro- and threo-3-Mercapto-2-methylbutan-1-ol	227456-33-9	1289	Evaluated - No safety concern	3993	GRAS List 20	12.291	Evaluated - No safety concern
(+/-)-2-Mercaptomethylpentan-1-ol	258823-39-1	1290	Evaluated - No safety concern	3995	GRAS List 20	12.241	Evaluated - No safety concern
3-Mercapto-2-methylpentan-1-ol (racemic)	227456-27-1	1291	Evaluated - No safety concern	3996	GRAS List 20	12.238	Evaluated - No safety concern
3-Mercapto-2-methylpentanal	227456-28-2	1292	Evaluated - No safety concern	3994	GRAS List 20	12.239	Evaluated - No safety concern
4-Mercapto-4-methyl-2-pentanone	19872-52-7	1293	Evaluated - No safety concern	3997	GRAS List 20	12.169	Evaluated - No safety concern
(+/-) Ethyl 3-mercaptobutyrate	156472-94-5	1294	Evaluated - No safety concern	3977	GRAS List 20	12.255	Evaluated - No safety concern
Ethyl 4-(acetylthio)butyrate	104228-51-5	1295	Evaluated - No safety concern	3974	GRAS List 20	12.257	Evaluated - No safety concern
spiro[2,4-Dithia-1-methyl-8-oxabicyclo(3.3.0)octane-3,3'-(1'-oxa-2'-methyl)-cyclopentane]	38325-25-6	1296	Evaluated - No safety concern	3270	GRAS List 5	15.007	Evaluated - No safety concern
2-(Methylthio)ethanol	5271-38-5	1297	Evaluated - No safety concern	4004	GRAS List 20	12.179	Evaluated - No safety concern
Ethyl 5-(methylthio)pentanoate	233665-98-0	1298	Evaluated - No safety concern	3978	GRAS List 20	12.212	Evaluated - No safety concern

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2,3,5-Trithiahexane	42474-44-2	1299	Evaluated - No safety concern	4021	GRAS List 20 (21)	12.198	Evaluated - No safety concern
Diisopropyl trisulfide	5943-34-0	1300	Evaluated - No safety concern	3968	GRAS List 20	12.280	Evaluation pending
Indole	120-72-9	1301	Evaluated - No safety concern	2593	GRAS List 3 (25)	14.007	Evaluated - No safety concern
6-Methylquinoline	91-62-3	1302	Evaluated - No safety concern	2744	GRAS List 3	14.042	Evaluated - No safety concern
Isoquinoline	119-65-3	1303	Evaluated - No safety concern	2978	GRAS List 3	14.001	Evaluated - No safety concern
Skatole	83-34-1	1304	Evaluated - No safety concern	3019	GRAS List 3	14.004	Evaluated - No safety concern
1-Ethyl-2-acetylpyrrole	39741-41-8	1305	Evaluated - No safety concern	3147	GRAS List 4	14.045	Evaluated - No safety concern
1-Methyl-2-acetylpyrrole	932-16-1	1306	Evaluated - No safety concern	3184	GRAS List 4	14.046	Evaluated - No safety concern
Methyl 2-pyrrolyl ketone	1072-83-9	1307	Evaluated - No safety concern	3202	GRAS List 4 (25)	14.047	Evaluated - No safety concern
2-Pyridinemethanethiol	2044-73-7	1308	Evaluated - No safety concern	3232	GRAS List 4	14.030	Evaluated - No safety concern
2-Acetylpyridine	1122-62-9	1309	Evaluated - No safety concern	3251	GRAS List 5 (25)	14.038	Evaluated - No safety concern
1-Furfurylpyrrole	1438-94-4	1310	Evaluated - No safety concern	3284	GRAS List 5	13.134	Evaluated - No safety concern
2-Isobutylpyridine	6304-24-1	1311	Evaluated - No safety concern	3370	GRAS List 6	14.058	Evaluated - No safety concern
3-Isobutylpyridine	14159-61-6	1312	Evaluated - No safety concern	3371	GRAS List 6	14.059	Evaluated - No safety concern
2-Pentylpyridine	2294-76-0	1313	Evaluated - No safety concern	3383	GRAS List 6	14.060	Evaluated - No safety concern
Pyrrole	109-97-7	1314	Evaluated - No safety concern	3386	GRAS List 6	14.041	Evaluated - No safety concern
3-Ethylpyridine	536-78-7	1315	Evaluated - No safety concern	3394	GRAS List 7 (25)	14.061	Evaluated - No safety concern
3-Acetylpyridine	350-03-8	1316	Evaluated - No safety concern	3424	GRAS List 8 (25)	14.039	Evaluated - No safety concern
2,6-Dimethylpyridine	108-48-5	1317	Evaluated - No safety concern	3540	GRAS List 11	14.065	Evaluated - No safety concern
5-Ethyl-2-methylpyridine	104-90-5	1318	Evaluated - No safety concern	3546	GRAS List 11	14.066	Evaluated - No safety concern
2-Propionylpyrrole	1073-26-3	1319	Evaluated - No safety concern	3614	GRAS List 12	14.068	Evaluated - No safety concern
Methyl nicotinate	93-60-7	1320	Evaluated - No safety concern	3709	GRAS List 13	14.071	Evaluated - No safety concern
2-(3-Phenylpropyl)pyridine	2110-18-1	1321	Evaluated - No safety concern	3751	GRAS List 14	14.072	Evaluated - No safety concern
2-Propylpyridine	622-39-9	1322	Evaluated - No safety concern	4065	GRAS List 21	14.164	Evaluated - No safety concern
Camphene	79-92-5	1323	Evaluated - No safety concern	2229	GRAS List 3 (25)	01.009	Evaluated - No safety concern
beta-Caryophyllene	87-44-5	1324	Evaluated - No safety concern	2252	GRAS List 3	01.007	Evaluated - No safety concern
1-Isopropyl-4-methylbenzene	99-87-6	1325	Evaluated - No safety concern	2356	GRAS List 3	01.002	Evaluated - No safety concern
d-Limonene	5989-27-5	1326	Evaluated - No safety concern	2633	GRAS List 3	01.045	Evaluated - No safety concern
Myrcene	123-35-3	1327	Evaluated - No safety concern	2762	GRAS List 3	01.008	Evaluated - No safety concern
alpha-Phellandrene	99-83-2	1328	Evaluated - No safety concern	2856	GRAS List 3	01.006	Evaluated - No safety concern
Pin-2(3)-ene	80-56-8; 7785-26-4; 7785-70-8	1329	Evaluated - No safety concern	2902	GRAS List 3 (29)	01.004	Evaluated - No safety concern
Pin-2(10)-ene	127-91-3	1330	Evaluated - No safety concern	2903	GRAS List 3 (29)	01.003	Evaluated - No safety concern
Terpinolene	586-62-9	1331	Evaluated - No safety concern	3046	GRAS List 3	01.005	Evaluated - No safety concern
Diphenyl	92-52-4	1332	Evaluated - No safety concern	3129	GRAS List 4		No longer supported for evaluation
p,alpha-Dimethylstyrene	1195-32-0	1333	Evaluated - No safety concern	3144	GRAS List 4 (25)	01.010	Evaluated - No safety concern
4-Methyl-1,1'-biphenyl	644-08-6	1334	Evaluated - No safety concern	3186	GRAS List 4		No longer supported for evaluation
1-Methylnaphthalene	90-12-0	1335	Evaluated - No safety concern	3193	GRAS List 4		No longer supported for evaluation
Bisabolene	495-62-5	1336	Evaluated - No safety concern	3331	GRAS List 6 (25)	01.016	Evaluated - No safety concern
Valencene	4630-07-3; 68773-84-2	1337	Evaluated - No safety concern	3443	GRAS List 8 (25)	01.017	Evaluated - No safety concern
3,7-Dimethyl-1,3,6-octatriene	13877-91-3	1338	Evaluated - No safety concern	3539	GRAS List 11 (25)	01.018	Evaluated - No safety concern
cis-beta-Ocimene	3338-55-4	1338	Evaluated - No safety concern	3539	GRAS List 11 (25)	01.064	Evaluated - No safety concern
p-Mentha-1,3-diene	99-86-5	1339	Evaluated - No safety concern	3558	GRAS List 11 (25)	01.019	Evaluated - No safety concern
p-Mentha-1,4-diene	99-85-4	1340	Evaluated - No safety concern	3559	GRAS List 11	01.020	Evaluated - No safety concern
1,3,5-Undecatriene	16356-11-9	1341	Evaluated - No safety concern	3795	GRAS List 16	01.061	Evaluated - No safety concern
d-3-Carene	13466-78-9	1342	Evaluated - No safety concern	3821	GRAS List 18 (25)	01.029	Evaluated - No safety concern

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alpha-Farnesene	502-61-4;28973-98-0;26560-14-5;28973-99-1	1343	Evaluated - No safety concern	3839	GRAS List 18	01.040	Evaluated - No safety concern
beta-Farnesene	18794-84-8	1343	Evaluated - No safety concern	4971	GRAS List 30		
Farnesene (alpha and beta)	502-61-4; 18794-84-8	1343	Evaluated - No safety concern		GRAS List 18; GRAS List 30	01.040	
1-Methyl-1,3-cyclohexadiene	1489-56-1	1344	Evaluated - No safety concern			01.077	Evaluated - No safety concern
beta-Bourbonene	5208-59-3	1345	Evaluated - No safety concern			01.024	Evaluated - No safety concern
Cadinene (mixture of isomers)	29350-73-0	1346	Evaluated - No safety concern				No longer supported for evaluation
Guaiene	88-84-6	1347	Evaluated - No safety concern			01.026	Evaluated - No safety concern
Butyl 2-decenoate	7492-45-7	1348	Evaluated - No safety concern	2194	GRAS List 3	09.235	Evaluated - No safety concern
2-Decenal	3913-71-1	1349	Evaluated - No safety concern	2366	GRAS List 3 (25)	05.076	Evaluated - No safety concern
trans-2-Decenal	3913-81-3	1349	Evaluated - No safety concern	2366	GRAS List 3 (25)	05.191	Evaluated - No safety concern
2-Dodecenal	4826-62-4	1350	Evaluated - No safety concern	2402	GRAS List 3	05.037	Evaluated - No safety concern
Dodec-2-(trans)-enal	20407-84-5	1350	Evaluated - No safety concern	2402	GRAS List 3	05.144	Evaluated - No safety concern
Ethyl acrylate	140-88-5	1351	Evaluated - No safety concern	2418	GRAS List 3 (25)	09.037	Evaluated - No safety concern
Ethyl 2-nonynoate	10031-92-2	1352	Evaluated - No safety concern	2448	GRAS List 3 (25)	09.157	Evaluated - No safety concern
Hex-2(trans)-enal	6728-26-3	1353	Evaluated - No safety concern	2560	GRAS List 3 (25)	05.073	Evaluated - No safety concern
2-Hexenal	505-57-7	1353	Evaluated - No safety concern	2560	GRAS List 3 (25)	05.189	Evaluated - No safety concern
2-Hexen-1-ol	2305-21-7	1354	Evaluated - No safety concern	2562	GRAS List 3	02.020	Evaluated - No safety concern
2-(E)Hexen-1-yl acetate	2497-18-9	1355	Evaluated - No safety concern	2564	GRAS List 3 (25)	09.394	Evaluated - No safety concern
Methyl 2-nonynoate	111-80-8	1356	Evaluated - No safety concern	2726	GRAS List 3 (25)	09.156	Evaluated - No safety concern
Methyl 2-octynoate	111-12-6	1357	Evaluated - No safety concern	2729	GRAS List 3	09.158	Evaluated - No safety concern
Methyl 2-undecynoate	10522-18-6	1358	Evaluated - No safety concern	2751	GRAS List 3 (25)	09.239	Evaluated - No safety concern
2-Tridecenal	7774-82-5	1359	Evaluated - No safety concern	3082	GRAS List 3	05.078	Evaluated - No safety concern
trans-Tridecenal	7069-41-2	1359	Evaluated - No safety concern	3082	GRAS List 3	05.195	Evaluated - No safety concern
2-Heptenal	2463-63-0	1360	Evaluated - No safety concern	3165	GRAS List 4 (25)	05.070	Evaluated - No safety concern
Hept-2(trans)-enal	18829-55-5	1360	Evaluated - No safety concern	3165	GRAS List 4 (25)	05.150	Evaluated - No safety concern
trans-2-Hexenoic acid	13419-69-7	1361	Evaluated - No safety concern	3169	GRAS List 4 (25)	08.054	Evaluated - No safety concern
trans-Nonenal	18829-56-6	1362	Evaluated - No safety concern	3213	GRAS List 4 (29)	05.072	Evaluated - No safety concern
Non-2-enal	2463-53-8; 60784-31-8	1362	Evaluated - No safety concern	3213	GRAS List 4 (29)	05.171	Evaluated - No safety concern
Oct-2-enal	2363-89-5	1363	Evaluated - No safety concern	3215	GRAS List 4 (25)	05.060	Evaluated - No safety concern
trans-Octenal	2548-87-0	1363	Evaluated - No safety concern	3215	GRAS List 4 (25)	05.190	Evaluated - No safety concern
Pent-2-enal	764-39-6	1364	Evaluated - No safety concern	3218	GRAS List 4 (25)	05.102	Evaluated - No safety concern
Non-2(trans)-en-1-ol	31502-14-4	1365	Evaluated - No safety concern	3379	GRAS List 6	02.090	Evaluated - No safety concern
2-Undecenal	2463-77-6	1366	Evaluated - No safety concern	3423	GRAS List 7	05.109	Evaluated - No safety concern
Undec-2(trans)-enal	53448-07-0	1366	Evaluated - No safety concern	3423	GRAS List 7	05.184	Evaluated - No safety concern
trans-2-Octen-1-yl acetate	3913-80-2; 2371-13-3	1367	Evaluated - No safety concern	3516	GRAS List 10	09.276	Evaluated - No safety concern
trans-2-Octen-1-yl butanoate	84642-60-4	1368	Evaluated - No safety concern	3517	GRAS List 10	09.277	Evaluated - No safety concern
cis-2-Nonen-1-ol	41453-56-9	1369	Evaluated - No safety concern	3720	GRAS List 13	02.112	Evaluated - No safety concern
2-Octen-1-ol	18409-17-1; 22104-78-5	1370	Evaluated - No safety concern	3887	GRAS List 18	02.192	Evaluated - No safety concern
(E)-2-Butenoic acid	107-93-7; 3724-65-0	1371	Evaluated - No safety concern	3908	GRAS List 19	08.072	Evaluated - No safety concern
(E)-2-Decenoic acid	334-49-6; 3913-85-7	1372	Evaluated - No safety concern	3913	GRAS List 19	08.073	Evaluated - No safety concern
Hept-2-enoic acid	18999-28-5	1373	Evaluated - No safety concern	3920	GRAS List 19	08.083	Evaluated - No safety concern

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(E)-2-Heptenoic acid	10352-88-2	1373	Evaluated - No safety concern	3920	GRAS List 19	08.123	Evaluated - No safety concern
(Z)-2-Hexen-1-ol	928-94-9	1374	Evaluated - No safety concern	3924	GRAS List 19	02.156	Evaluated - No safety concern
trans-2-Hex-2-enyl butyrate	53398-83-7	1375	Evaluated - No safety concern	3926	GRAS List 19 (20)	09.396	Evaluated - No safety concern
(E)-2-Hexenyl formate	53398-78-0	1376	Evaluated - No safety concern	3927	GRAS List 19	09.397	Evaluated - No safety concern
trans-2-Hexenyl isovalerate	68698-59-9	1377	Evaluated - No safety concern	3930	GRAS List 19	09.399	Evaluated - No safety concern
trans-2-Hexenyl propionate	53398-80-4	1378	Evaluated - No safety concern	3932	GRAS List 19	09.395	Evaluated - No safety concern
trans-2-Hexenyl pentanoate	56922-74-8	1379	Evaluated - No safety concern	3935	GRAS List 19		
(E)-2-Nonenoic acid	14812-03-4; 3760-11-0	1380	Evaluated - No safety concern	3954	GRAS List 19	08.101	Evaluated - No safety concern
(E)-2-Hexenyl hexanoate	53398-86-0	1381	Evaluated - No safety concern	3983	GRAS List 20	09.398	Evaluated - No safety concern
(Z)-3- & (E)-2-Hexenyl propionate	33467-74-2; 53398-80-4	1382	Evaluated - No safety concern	3778	GRAS List 16		No longer supported for evaluation
(E)-2-Hexenal diethyl acetal	54306-00-2; 67746-30-9	1383	Evaluated - No safety concern	4047	GRAS List 21	06.031	Evaluated - No safety concern
2-Undecen-1-ol	37617-03-1	1384	Evaluated - No safety concern	4068	GRAS List 21	02.210	Evaluated - No safety concern
Borneol	507-70-0	1385	Evaluated - No safety concern	2157	GRAS List 3	02.016	Evaluated - No safety concern
Isoborneol	124-76-5	1386	Evaluated - No safety concern	2158	GRAS List 3	02.059	Evaluated - No safety concern
Bornyl acetate	76-49-3	1387	Evaluated - No safety concern	2159	GRAS List 3	09.017	Evaluated - No safety concern
Isobornyl acetate	125-12-2	1388	Evaluated - No safety concern	2160	GRAS List 3 (25)	09.218	Evaluated - No safety concern
Bornyl formate	7492-41-3	1389	Evaluated - No safety concern	2161	GRAS List 3	09.082	Evaluated - No safety concern
Isobornyl formate	1200-67-5	1390	Evaluated - No safety concern	2162	GRAS List 3	09.176	Evaluated - No safety concern
Isobornyl propionate	2756-56-1	1391	Evaluated - No safety concern	2163	GRAS List 3	09.131	Evaluated - No safety concern
Bornyl valerate	7549-41-9	1392	Evaluated - No safety concern	2164	GRAS List 3	09.153	Evaluated - No safety concern
Bornyl isovalerate	76-50-6	1393	Evaluated - No safety concern	2165	GRAS List 3	09.456	Evaluated - No safety concern
Bornyl isovalerate (endo-)	7779-73-9	1394	Evaluated - No safety concern	2166	GRAS List 3	09.457	Evaluated - No safety concern
d-Camphor	464-49-3	1395	Evaluated - No safety concern	2230	GRAS List 3 (25)	07.215	Evaluated - No safety concern
d-Fenchone	4695-62-9	1396	Evaluated - No safety concern	2479	GRAS List 3 (25)	07.159	Evaluated - No safety concern
Fenchyl alcohol	1632-73-1	1397	Evaluated - No safety concern	2480	GRAS List 3 (25)	02.038	Evaluated - No safety concern
Nootkatone	4674-50-4	1398	Evaluated - No safety concern	3166	GRAS List 4 (25)	07.089	Evaluated - No safety concern
1,3,3-Trimethyl-2-norbornanyl acetate	13851-11-1	1399	Evaluated - No safety concern	3390	GRAS List 6 (25)	09.269	Evaluated - No safety concern
Methyl (2-pent-2-enyl-3-oxo-1-cyclopentyl)acetate	1211-29-6; 39924-52-2	1400	Evaluated - No safety concern	3410	GRAS List 7 (25)	09.521	Evaluated - No safety concern
Cycloheptadec-9-en-1-one	542-46-1	1401	Evaluated - No safety concern	3425	GRAS List 8		No longer supported for evaluation
3-Methyl-1-cyclopentadecanone	541-91-3	1402	Evaluated - No safety concern	3434	GRAS List 8		No longer supported for evaluation
2(10)-Pinen-3-ol	5947-36-4	1403	Evaluated - No safety concern	3587	GRAS List 11	02.100	Evaluated - No safety concern
Verbenol	473-67-6	1404	Evaluated - No safety concern	3594	GRAS List 11	02.101	Evaluated - No safety concern
7-Methyl-4,4a,5,6-tetrahydro-2(3H)-naphthalenone	34545-88-5	1405	Evaluated - No safety concern	3715	GRAS List 13	07.136	Evaluation pending - genotoxicity cleared
3-Methyl-2-(n-pentanyl)-2-cyclopenten-1-one	1128-08-1	1406	Evaluated - No safety concern	3763	GRAS List 15	07.140	Evaluated - No safety concern
Dihydronootkatone	20489-53-6	1407	Evaluated - No safety concern	3776	GRAS List 16	07.153	Evaluated - No safety concern
3-L-Menthoxypropane-1,2-diol	87061-04-9; 207792-35-6	1408	Evaluated - No safety concern	3784	GRAS List 16 (25)	02.224	Evaluated - No safety concern
beta-Ionyl acetate	22030-19-9	1409	Evaluated - No safety concern	3844	GRAS List 18	09.305	Evaluated - No safety concern
alpha-Isomethylionyl acetate	68555-61-3	1410	Evaluated - No safety concern	3845	GRAS List 18		
3-(l-Menthoxy)-2-methylpropane-1,2-diol	195863-84-4	1411	Evaluated - No safety concern	3849	GRAS List 18	02.254	Evaluated - No safety concern
Bornyl butyrate	13109-70-1	1412	Evaluated - No safety concern	3907	GRAS List 19	09.319	Evaluated - No safety concern
D,L-Menthol(+/-)-propylene glycol carbonate	156324-82-2	1413	Evaluated - No safety concern	3992	GRAS List 20		No longer supported for evaluation

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L-Monomenthyl glutarate	220621-22-7	1414	Evaluated - No safety concern	4006	GRAS List 20 (26)	09.929	Evaluated - No safety concern
l-Menthyl methyl ether	1565-76-0	1415	Evaluated - No safety concern	4054	GRAS List 21	16.088	Evaluated - No safety concern
p-Menthane-3,8-diol	42822-86-6	1416	Evaluated - No safety concern	4053	GRAS List 21 (25)	02.246	Evaluated - No safety concern
Alanine	107-95-9	1418	Evaluated - No safety concern	3252	GRAS List 5	17.001	Evaluated - No safety concern
l-Cysteine	52-90-4	1419	No need for evaluation - macronutrients and normal components of protein	3263	GRAS List 5	17.033	No safety concern - evaluation procedure not applicable
l-Glutamic acid	56-86-0	1420	No need for evaluation - macronutrients and normal components of protein	3285	GRAS List 5 (25)		
Glycine	56-40-6	1421	No need for evaluation - macronutrients and normal components of protein	3287	GRAS List 5 (27)	17.034	No safety concern - evaluation procedure not applicable
dl-Isoleucine	443-79-8	1422	Evaluated - No safety concern	3295	GRAS List 5	17.010	Evaluated - No safety concern
Leucine	61-90-5; 328-39-2; 328-38-1	1423	No need for evaluation - macronutrients and normal components of protein	3297	GRAS List 5	17.012	No safety concern - evaluation procedure not applicable
DL-Methionine	59-51-8; 348-67-4	1424	Evaluated - No safety concern	3301	GRAS List 5	17.014	Evaluated - No safety concern
l-Methionine	63-68-3	1424	Evaluated - No safety concern	3301	GRAS List 5	17.027	No safety concern - evaluation procedure not applicable
Proline	147-85-3; 609-36-9; 344-25-2	1425	No need for evaluation - macronutrients and normal components of protein	3319	GRAS List 5	17.019	No safety concern - evaluation procedure not applicable
Valine	516-06-3; 640-68-6	1426	Evaluated - No safety concern	3444	GRAS List 8 (13)	17.023	Evaluated - No safety concern
l-Valine	72-18-4	1426	Evaluated - No safety concern	3444	GRAS List 8 (13) ☒	17.028	No safety concern - evaluation procedure not applicable
DL-(3-Amino-3-carboxypropyl)dimethylsulfonium chloride	3493-12-7; 1115-84-0	1427	Evaluated - No safety concern	3445	GRAS List 9	17.015	Evaluated - No safety concern
L-Phenylalanine	63-91-2	1428	No need for evaluation - macronutrients and normal components of protein	3585	GRAS List 11	17.018	No safety concern - evaluation procedure not applicable
L-Aspartic acid	56-84-8	1429	No need for evaluation - macronutrients and normal components of protein	3656	GRAS List 13	17.005	No safety concern - evaluation procedure not applicable
L-Glutamine	56-85-9	1430	No need for evaluation - macronutrients and normal components of protein	3684	GRAS List 13	17.007	No safety concern - evaluation procedure not applicable
L-Histidine	71-00-1	1431	No need for evaluation - macronutrients and normal components of protein	3694	GRAS List 13 (30)	17.008	No safety concern - evaluation procedure not applicable
DL-Phenylalanine	150-30-1; 673-06-3	1432	Evaluated - No safety concern	3726	GRAS List 13	17.017	Evaluated - No safety concern
L-Thyrosine	60-18-4	1434	No need for evaluation - macronutrients and normal components of protein	3736	GRAS List 13	17.022	No safety concern - evaluation procedure not applicable
Taurine	107-35-7	1435	Evaluated - No safety concern	3813	GRAS List 17	16.056	Evaluated - No safety concern
L-Alanine	56-41-7	1437	Evaluated - No safety concern	3818	GRAS List 18 (25)	17.002	No safety concern - evaluation procedure not applicable

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DL-Alanine	302-72-7; 338-69-2	1437	Evaluated - No safety concern	3818	GRAS List 18 (25)	17.024	Evaluated - No safety concern
L-Arginine	74-79-3	1438	Evaluated - No safety concern	3819	GRAS List 18 (25)	17.003	No safety concern - evaluation procedure not applicable
DL-Lysine	70-54-2; 923-27-3	1439	Evaluated - No safety concern	3847	GRAS List 18 (25)	17.013	Evaluated - No safety concern
L-Lysine	56-87-1	1439	Evaluated - No safety concern	3847	GRAS List 18 (25)	17.026	No safety concern - evaluation procedure not applicable
2-Hexyl-4-acetoxytetrahydrofuran	10039-39-1	1440	Evaluated - No safety concern	2566	GRAS List 3		
2-(3-Phenylpropyl)tetrahydrofuran	3208-40-0	1441	Evaluated - No safety concern	2898	GRAS List 3	13.007	Evaluated - No safety concern
Tetrahydrofurfuryl acetate	637-64-9	1442	Evaluated - No safety concern	3055	GRAS List 3 (25)	13.166	Evaluated - No safety concern
Tetrahydrofurfuryl alcohol	97-99-4	1443	Evaluated - No safety concern	3056	GRAS List 3 (25)	13.020	Evaluated - No safety concern
Tetrahydrofurfuryl butyrate	2217-33-6	1444	Evaluated - No safety concern	3057	GRAS List 3	13.048	Evaluated - No safety concern
Tetrahydrofurfuryl propionate	637-65-0	1445	Evaluated - No safety concern	3058	GRAS List 3 (25)	13.049	Evaluated - No safety concern
4-Hydroxy-2,5-dimethyl-3(2H)-furanone	3658-77-3	1446	Evaluated - No safety concern	3174	GRAS List 4 (29)	13.010	Evaluated - No safety concern
Tetrahydrofurfuryl cinnamate	65505-25-1	1447	Evaluated - No safety concern	3320	GRAS List 5	13.060	Evaluated - No safety concern
2-Methyltetrahydrofuran-3-one	3188-00-9	1448	Evaluated - No safety concern	3373	GRAS List 6	13.042	Evaluated - No safety concern
2-Ethyl-4-hydroxy-5-methyl-3(2H)-furanone	27538-09-6	1449	Evaluated - No safety concern	3623	GRAS List 12 (29)	13.084	Evaluated - No safety concern
4-Hydroxy-5-methyl-3(2H)-furanone	19322-27-1	1450	Evaluated - No safety concern	3635	GRAS List 12	13.085	Evaluated - No safety concern
2,5-Dimethyl-4-methoxy-3(2H)-furanone	4077-47-8	1451	Evaluated - No safety concern	3664	GRAS List 13	13.089	Evaluated - No safety concern
2,2-Dimethyl-5-(1-methylpropen-1-yl)tetrahydrofuran	7416-35-5	1452	Evaluated - No safety concern	3665	GRAS List 13 (25)	13.090	Evaluated - No safety concern
2,5-Diethyltetrahydrofuran	41239-48-9	1453	Evaluated - No safety concern	3743	GRAS List 14	13.095	Evaluated - No safety concern
cis,trans-2-Methyl-2-vinyl-5-(2-hydroxy-2-propyl)tetrahydrofuran	60047-17-8; 34995-77-2; 5989-33-3; 1365-19-1	1454	Evaluated - No safety concern	3746	GRAS List 14 (25)	13.140	Evaluated - No safety concern
5-Isopropenyl-2-methyl-2-vinyltetrahydrofuran (cis and trans mixture)	13679-86-2	1455	Evaluated - No safety concern	3759	GRAS List 15	13.097	Evaluated - No safety concern
4-Acetoxy-2,5-dimethyl-3(2H)furanone	4166-20-5	1456	Evaluated - No safety concern	3797	GRAS List 17	13.099	Evaluated - No safety concern
(+/-)-2-(5-Methyl-5-vinyl-tetrahydrofuran-2-yl)propionaldehyde	51685-39-3	1457	Evaluated - No safety concern	4058	GRAS List 21		
Ethyl 4-phenylbutyrate	10031-93-3	1458	Evaluated - No safety concern	2453	GRAS List 3 (25)	09.728	Evaluated - No safety concern
beta-Methylphenethyl alcohol	1123-85-9	1459	Evaluated - No safety concern	2732	GRAS List 3	02.073	Evaluated - No safety concern
2-Methyl-4-phenyl-2-butyl acetate	103-07-1	1460	Evaluated - No safety concern	2735	GRAS List 3 (25)	09.029	Evaluated - No safety concern
2-Methyl-4-phenyl-2-butyl isobutyrate	10031-71-7	1461	Evaluated - No safety concern	2736	GRAS List 3	09.484	Evaluated - No safety concern
2-Methyl-4-phenylbutyraldehyde	40654-82-8	1462	Evaluated - No safety concern	2737	GRAS List 3	05.046	Evaluated - No safety concern
3-Methyl-2-phenylbutyraldehyde	2439-44-3	1463	Evaluated - No safety concern	2738	GRAS List 3	05.097	Evaluated - No safety concern
Methyl 4-phenylbutyrate	2046-17-5	1464	Evaluated - No safety concern	2739	GRAS List 3	09.729	Evaluated - No safety concern
2-Methyl-3-(p-isopropylphenyl)propionaldehyde	103-95-7	1465	Evaluated - No safety concern	2743	GRAS List 3	05.045	Evaluated - No safety concern
2-Methyl-3-tolylpropionaldehyde (mixed o-,m-, p-)	41496-43-9	1466	Evaluated - No safety concern	2748	GRAS List 3	05.052	Evaluated - No safety concern
2-Phenylpropionaldehyde	93-53-8	1467	Evaluated - No safety concern	2886	GRAS List 3 (25)	05.038	Evaluated - No safety concern
2-Phenylpropionaldehyde dimethyl acetal	90-87-9	1468	Evaluated - No safety concern	2888	GRAS List 3	06.030	Evaluated - No safety concern
2-Phenylpropyl butyrate	80866-83-7	1469	Evaluated - No safety concern	2891	GRAS List 3	09.057	Evaluated - No safety concern
2-Phenylpropyl isobutyrate	65813-53-8	1470	Evaluated - No safety concern	2892	GRAS List 3	09.485	Evaluated - No safety concern
2-(p-Tolyl)propionaldehyde	99-72-9	1471	Evaluated - No safety concern	3078	GRAS List 3	05.043	Evaluated - No safety concern
5-Methyl-2-phenyl-2-hexenal	21834-92-4	1472	Evaluated - No safety concern	3199	GRAS List 4 (25)	05.099	Evaluation pending
4-Methyl-2-phenyl-2-pentenal	26643-91-4	1473	Evaluated - No safety concern	3200	GRAS List 4 (25)	05.100	Evaluation pending
2-Phenyl-2-butenal	4411-89-6	1474	Evaluated - No safety concern	3224	GRAS List 4 (25)	05.062	Evaluation pending
Ethyl 2-ethyl-3-phenylpropanoate	2983-36-0	1475	Evaluated - No safety concern	3341	GRAS List 6	09.802	Evaluated - No safety concern
2-Phenyl-4-pentenal	24401-36-3	1476	Evaluated - No safety concern	3519	GRAS List 10	05.115	Evaluated - No safety concern
2-Methyl-4-phenyl-2-butanol	103-05-9	1477	Evaluated - No safety concern	3629	GRAS List 12	02.108	Evaluated - No safety concern
2-Oxo-3-phenylpropionic acid	156-06-9	1478	Evaluated - No safety concern	3892	GRAS List 18	08.109	Evaluated - No safety concern

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2-Oxo-3-phenylpropionic acid sodium salt	114-76-1	1479	Evaluated - No safety concern	3892	GRAS List 18		
Maltol	118-71-8	1480	Evaluated - No safety concern	2656	GRAS List 3 (29)	07.014	Evaluated - No safety concern
Ethyl maltol	4940-11-8	1481	Evaluated - No safety concern	3487	GRAS List 10	07.047	Evaluated - No safety concern
Maltyl isobutyrate	65416-14-0	1482	Evaluated - No safety concern	3462	GRAS List 9	09.525	Evaluated - No safety concern
2-Methyl-3-(1-oxopropoxy)-4H-pyran-4-one	68555-63-5	1483	Evaluated - No safety concern	3941	GRAS List 19		
2-Butyl-5 or 6-keto-1,4-dioxane	65504-95-2	1484	Evaluated - No safety concern	2204	GRAS List 3	13.028	Evaluated - No safety concern
2-Amyl-5 or 6-keto-1,4-dioxane	65504-96-3	1485	Evaluated - No safety concern	2076	GRAS List 3	13.027	Evaluated - No safety concern
2-Hexyl-5 or 6-keto-1,4-dioxane	65504-97-4	1486	Evaluated - No safety concern	2574	GRAS List 3		
2-Methylfuran	534-22-5	1487	Evaluation pending - additional data required	4179	GRAS List 22		No longer supported for evaluation
2,5-Dimethylfuran	625-86-5	1488	Evaluation pending - additional data required	4106	GRAS List 22		No longer supported for evaluation
2-Ethylfuran	3208-16-0	1489	Evaluation pending - additional data required	3673	GRAS List 13		No longer supported for evaluation
2-Butylfuran	4466-24-4	1490	Evaluation pending - additional data required	4081	GRAS List 22		No longer supported for evaluation
2-Pentylfuran	3777-69-3	1491	Evaluated - No safety concern	3317	GRAS List 5	13.059	Evaluated - No safety concern
2-Heptylfuran	3777-71-7	1492	Evaluated - No safety concern	3401	GRAS List 7	13.069	Evaluated - No safety concern
2-Decylfuran	83469-85-6	1493	Evaluated - No safety concern	4090	GRAS List 22	13.106	Evaluated - No safety concern
3-Methyl-2-(3-methylbut-2-enyl)-furan	15186-51-3	1494	Evaluated - No safety concern	4174	GRAS List 22	13.148	Evaluated - No safety concern
2,3-Dimethylbenzofuran	3782-00-1	1495	Evaluated - No safety concern	3535	GRAS List 11	13.074	Evaluated - No safety concern
2,4-Difurfurylfuran	64280-32-6	1496	Evaluated - No safety concern	4095	GRAS List 22		No longer supported for evaluation
3-(2-Furyl)acrolein	623-30-3	1497	Evaluated - No safety concern	2494	GRAS List 3		No longer supported for evaluation
2-Methyl-3(2-furyl)acrolein	874-66-8	1498	Evaluated - No safety concern	2704	GRAS List 3 (25)		No longer supported for evaluation
3-(5-Methyl-2-furyl)prop-2-enal	5555-90-8	1499	Evaluated - No safety concern	4175	GRAS List 22		No longer supported for evaluation
3-(5-Methyl-2-furyl) butanal	31704-80-0	1500	Evaluated - No safety concern	3307	GRAS List 5	13.058	Evaluated - No safety concern
2-Furfurylidenebutylaldehyde	770-27-4	1501	Evaluated - No safety concern	2492	GRAS List 3 (25)		No longer supported for evaluation
2-Phenyl-3-(2-furyl)prop-2-enal	65545-81-5; 57568-60-2	1502	Evaluated - No safety concern	3586	GRAS List 11		No longer supported for evaluation
2-Furyl methyl ketone	1192-62-7	1503	Evaluated - No safety concern	3163	GRAS List 4 (25)	13.054	Evaluated - No safety concern
2-Acetyl-5-methylfuran	1193-79-9	1504	Evaluated - No safety concern	3609	GRAS List 12 (25)	13.083	Evaluated - No safety concern
2-Acetyl-3,5-dimethylfuran	22940-86-9	1505	Evaluated - No safety concern	4071	GRAS List 22	13.101	Evaluated - No safety concern
3-Acetyl-2,5-dimethylfuran	10599-70-9	1506	Evaluated - No safety concern		GRAS List 7		No longer supported for evaluation
2-Butyrylfuran	4208-57-5	1507	Evaluated - No safety concern	4083	GRAS List 22	13.105	Evaluated - No safety concern
(2-Furyl)-2-propanone	6975-60-6	1508	Evaluated - No safety concern	2496	GRAS List 3	13.045	Evaluated - No safety concern
2-Pentanoylfuran	3194-17-0	1509	Evaluated - No safety concern	4192	GRAS List 22	13.163	Evaluated - No safety concern
1-(2-Furyl)butan-3-one	699-17-2	1510	Evaluated - No safety concern	4120	GRAS List 22	13.138	Evaluated - No safety concern
4-(2-Furyl)-3-buten-2-one	623-15-4	1511	Evaluated - No safety concern	2495	GRAS List 3		No longer supported for evaluation
Pentyl 2-furyl ketone	14360-50-0	1512	Evaluated - No safety concern	3418	GRAS List 7	13.070	Evaluated - No safety concern
Ethyl 3-(2-furyl)propanoate	10031-90-0	1513	Evaluated - No safety concern	2435	GRAS List 3 (25)	13.022	Evaluated - No safety concern
Isobutyl 3-(2-furan)propionate	105-01-1	1514	Evaluated - No safety concern	2198	GRAS List 3	13.024	Evaluated - No safety concern
Isoamyl 3-(2-furan)propionate	7779-67-1	1515	Evaluated - No safety concern	2071	GRAS List 3	13.023	Evaluated - No safety concern
Isoamyl 4-(2-furan)butyrate	7779-66-0	1516	Evaluated - No safety concern	2070	GRAS List 3	13.021	Evaluated - No safety concern

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Phenethyl 2-furoate	7149-32-8	1517	Evaluated - No safety concern	2865	GRAS List 3	13.006	Evaluated - No safety concern
Propyl 2-furanacrylate	623-22-3	1518	Evaluated - No safety concern	2945	GRAS List 3	13.047	Evaluated - No safety concern
2,5-Dimethyl-3-oxo-(2H)-fur-4-yl butyrate	114099-96-6	1519	Evaluated - No safety concern	3970	GRAS List 20	13.176	Evaluated - No safety concern
Furfuryl methyl ether	13679-46-4	1520	Evaluated - No safety concern	3159	GRAS List 4 (25)		No longer supported for evaluation
Ethyl furfuryl ether	6270-56-0	1521	Evaluated - No safety concern	4114	GRAS List 22		No longer supported for evaluation
Difurfuryl ether	4437-22-3	1522	Evaluated - No safety concern	3337	GRAS List 6		No longer supported for evaluation
2,5-Dimethyl-3-furanthiol acetate	55764-22-2	1523	Evaluated - No safety concern	4034	GRAS List 21	13.116	Evaluated - No safety concern
Furfuryl 2-methyl-3-furyl disulfide	109537-55-5	1524	Evaluated - No safety concern	4119	GRAS List 22	13.178	Evaluated - No safety concern
3-[[2-Methyl-3-furyl]thio]-2-butanone	61295-44-1	1525	Evaluated - No safety concern	4056	GRAS List 21	13.190	Evaluated - No safety concern
O-Ethyl-S-(2-furylmethyl) thiocarbonate	376595-42-5	1526	Evaluated - No safety concern	4043	GRAS List 21		No longer supported for evaluation
4-Allylphenol	501-92-8	1527	Evaluated - No safety concern	4075	GRAS List 22	04.058	Evaluated - No safety concern
2-Methoxy-6-(2-propenyl)phenol	579-60-2	1528	Evaluated - No safety concern	4490	GRAS List 24	04.096	Evaluated - No safety concern
Eugenol	97-53-0	1529	Evaluated - No safety concern	2467	GRAS List 3 (29)	04.003	Evaluated - No safety concern
Eugenyl formate	10031-96-6	1530	Evaluated - No safety concern	2473	GRAS List 3	09.088	Evaluated - No safety concern
Eugenyl acetate	93-28-7	1531	Evaluated - No safety concern	2469	GRAS List 3	09.020	Evaluated - No safety concern
Eugenyl isovalerate	61114-24-7	1532	Evaluated - No safety concern	4118	GRAS List 22	09.878	Evaluated - No safety concern
Eugenyl benzoate	531-26-0	1533	Evaluated - No safety concern	2471	GRAS List 3	09.766	Evaluated - No safety concern
Methyl anthranilate	134-20-3	1534	Evaluated - No safety concern	2682	GRAS List 3 (25)	09.715	Evaluated - No safety concern
Ethyl anthranilate	87-25-2	1535	Evaluated - No safety concern	2421	GRAS List 3	09.716	Evaluated - No safety concern
Butyl anthranilate	7756-96-9	1536	Evaluated - No safety concern	2181	GRAS List 3	09.717	Evaluated - No safety concern
Isobutyl anthranilate	7779-77-3	1537	Evaluated - No safety concern	2182	GRAS List 3	09.718	Evaluated - No safety concern
cis-3-Hexenyl anthranilate	65405-76-7	1538	Evaluated - No safety concern	3925	GRAS List 19	09.561	Evaluated - No safety concern
Citronellyl anthranilate	68555-57-7	1539	Evaluated - No safety concern	4086	GRAS List 22		
Linalyl anthranilate	7149-26-0	1540	Evaluated - No safety concern	2637	GRAS List 3	09.721	Evaluated - No safety concern
Cyclohexyl anthranilate	7779-16-0	1541	Evaluated - No safety concern	2350	GRAS List 3	09.722	Evaluated - No safety concern
beta-Terpinyll anthranilate	14481-52-8	1542	Evaluated - No safety concern	3048	GRAS List 3	09.724	Evaluated - No safety concern
Phenylethyl anthranilate	133-18-6	1543	Evaluated - No safety concern	2859	GRAS List 3 (25)	09.723	Evaluated - No safety concern
beta-Naphthyl anthranilate	63449-68-3	1544	Evaluated - No safety concern	2767	GRAS List 3	09.801	Evaluated - No safety concern
Methyl N-methylantranilate	85-91-6	1545	Evaluated - No safety concern	2718	GRAS List 3	09.781	Evaluated - No safety concern
Ethyl N-methylantranilate	35472-56-1	1546	Evaluated - No safety concern	4116	GRAS List 22	09.765	Evaluated - No safety concern
Ethyl N-ethylantranilate	38446-21-8	1547	Evaluated - No safety concern	4115	GRAS List 22	09.764	Evaluated - No safety concern
Isobutyl N-methylantranilate	65505-24-0	1548	Evaluated - No safety concern	4149	GRAS List 22	09.769	Evaluated - No safety concern
Methyl N-formylantranilate	41270-80-8	1549	Evaluated - No safety concern	4171	GRAS List 22	09.650	Evaluated - No safety concern
Methyl N-acetylantranilate	2719-08-6	1550	Evaluated - No safety concern	4170	GRAS List 22	09.649	Evaluated - No safety concern
Methyl N,N-dimethylantranilate	10072-05-6	1551	Evaluated - No safety concern	4169	GRAS List 22	09.648	Evaluated - No safety concern
N-Benzoylantranilic acid	579-93-1	1552	Evaluated - No safety concern	4078	GRAS List 22	16.087	Evaluated - No safety concern
Trimethyloxazole	20662-84-4	1553	Evaluated - No safety concern	4394	GRAS List 23	13.169	Evaluated - No safety concern
2,5-Dimethyl-4-ethyloxazole	30408-61-8	1554	Evaluated - No safety concern	4395	GRAS List 23	13.118	Evaluated - No safety concern
2-Ethyl-4,5-dimethyloxazole	53833-30-0	1555	Evaluated - No safety concern	3672	GRAS List 13	13.091	Evaluated - No safety concern
2-Isobutyl-4,5-dimethyloxazole	26131-91-9	1556	Evaluated - No safety concern	4397	GRAS List 23	13.195	Evaluated - No safety concern
2-Methyl-4,5-benzo-oxazole	95-21-6	1557	Evaluated - No safety concern	4398	GRAS List 23	13.154	Evaluated - No safety concern
2,4-Dimethyl-3-oxazoline	77311-02-5	1558	Evaluated - No safety concern	4429	GRAS List 23	13.115	Evaluated - No safety concern
2,4,5-Trimethyl-delta-3-oxazoline	22694-96-8	1559	Evaluated - No safety concern	3525	GRAS List 10	13.039	Evaluated - No safety concern
Allyl isothiocyanate	57-06-7	1560	Evaluated - No safety concern	2034	GRAS List 3	12.025	Evaluated - No safety concern
Butyl isothiocyanate	592-82-5	1561	Evaluated - No safety concern	4082	GRAS List 22	12.107	Evaluated - No safety concern
Benzyl isothiocyanate	622-78-6	1562	Evaluated - No safety concern	4428	GRAS List 23	12.102	Evaluated - No safety concern

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Phenethyl isothiocyanate	2257-09-2	1563	Evaluated - No safety concern	4014	GRAS List 20	12.193	Evaluated - No safety concern
3-(Methylthio)propyl isothiocyanate	505-79-3	1564	Evaluated - No safety concern	3312	GRAS List 5	12.030	Evaluated - No safety concern
4-Acetyl-2-methylpyrimidine	67860-38-2	1565	Evaluated - No safety concern	3654	GRAS List 13	14.070	Evaluated - No safety concern
5,7-Dihydro-2-methylthieno(3,4-d)pyrimidine	36267-71-7	1566	Evaluated - No safety concern	3338	GRAS List 6	14.014	Evaluated - No safety concern
1-Phenyl-(3 or 5)-propylpyrazole	65504-93-0	1568	Evaluated - No safety concern	3727	GRAS List 13	14.029	Evaluated - No safety concern
4,5-Dimethyl-2-propyloxazole	53833-32-2	1569	Evaluated - No safety concern	4396	GRAS List 23	13.112	Evaluated - No safety concern
4,5-Epoxy-(E)-2-decenal	188590-62-7	1570	Evaluated - No safety concern	4037	GRAS List 21		Safety Concern (genotoxicity)
beta-Ionone epoxide	23267-57-4	1571	Evaluated - No safety concern	4144	GRAS List 22	07.170	Evaluation pending - genotoxicity cleared
trans-Carvone-5,6-oxide	18383-49-8	1572	Evaluated - No safety concern	4084	GRAS List 22		No longer supported for evaluation
Epoxy oxophorone	38284-11-6	1573	Evaluated - No safety concern	4109	GRAS List 22		No longer supported for evaluation
Piperitenone oxide	35178-55-3	1574	Evaluated - No safety concern	4199	GRAS List 22		No longer supported for evaluation
beta-Caryophyllene oxide	1139-30-6	1575	Evaluated - No safety concern	4085	GRAS List 22	16.043	Evaluated - No safety concern
Ethyl 3-phenyl-2,3-epoxypropionate	121-39-1	1576	Evaluated - No safety concern	2454	GRAS List 3	16.018	Evaluated - No safety concern
Ethyl methylphenylglycidate	77-83-8	1577	Evaluated - No safety concern	2444	GRAS List 3	16.015	Evaluated - No safety concern
Ethyl methyl-p-tolylglycidate	74367-97-8	1578	Evaluated - No safety concern	3757	GRAS List 15	16.040	Evaluated - No safety concern
Ethylamine	75-04-7	1579	Evaluated - No safety concern	4236	GRAS List 22	11.015	Evaluated - No safety concern
Propylamine	107-10-8	1580	Evaluated - No safety concern	4237	GRAS List 22	11.004	Evaluated - No safety concern
Isopropylamine	75-31-0	1581	Evaluated - No safety concern	4238	GRAS List 22	11.018	Evaluated - No safety concern
Butylamine	109-73-9	1582	Evaluated - No safety concern	3130	GRAS List 4	11.003	Evaluated - No safety concern
Isobutylamine	78-81-9	1583	Evaluated - No safety concern	4239	GRAS List 22	11.002	Evaluated - No safety concern
sec-Butylamine	13952-84-6	1584	Evaluated - No safety concern	4240	GRAS List 22	11.005	Evaluated - No safety concern
Pentylamine	110-58-7	1585	Evaluated - No safety concern	4242	GRAS List 22	11.021	Evaluated - No safety concern
2-Methylbutylamine	96-15-1	1586	Evaluated - No safety concern	4241	GRAS List 22	11.020	Evaluated - No safety concern
Isopentylamine	107-85-7	1587	Evaluated - No safety concern	3219	GRAS List 4	11.001	Evaluated - No safety concern
Hexylamine	111-26-2	1588	Evaluated - No safety concern	4243	GRAS List 22	11.016	Evaluated - No safety concern
Phenethylamine	64-04-0	1589	Evaluated - No safety concern	3220	GRAS List 4	11.006	Evaluated - No safety concern
2-(4-Hydroxyphenyl)ethylamine	51-67-2	1590	Evaluated - No safety concern	4215	GRAS List 22	11.007	Evaluated - No safety concern
1-Amino-2-propanol	78-96-6	1591	Evaluated - No safety concern	3965	GRAS List 20		
Butyramide	541-35-5	1593	Evaluated - No safety concern	4252	GRAS List 22		No longer supported for evaluation
1,6-Hexalactam	105-60-2	1594	Evaluated - No safety concern	4235	GRAS List 22 (29)	16.052	Evaluated - No safety concern
2-Isopropyl-N,2,3-trimethylbutyramide	51115-67-4	1595	Evaluation pending - additional data required	3804	GRAS List 17	16.053	Evaluated - No safety concern
N-Ethyl (E)-2,(Z)-6-nonadienamide	608514-56-3	1596	Evaluated - No safety concern	4113	GRAS List 22		No longer supported for evaluation
N-Cyclopropyl (E)-2,(Z)-6-nonadienamide	608514-55-2	1597	Evaluated - No safety concern	4087	GRAS List 22		No longer supported for evaluation
N-Isobutyl (E,E)-2,4-decadienamide	18836-52-7	1598	Evaluated - No safety concern	4148	GRAS List 22	16.091	Evaluated - No safety concern
Nonanoyl 4-hydroxy-3-methoxybenzylamide	2444-46-4	1599	Evaluated - No safety concern	2787	GRAS List 3	16.006	Evaluated - No safety concern
Piperine	94-62-2	1600	Evaluated - No safety concern	2909	GRAS List 3 (29)	14.003	Evaluated - No safety concern
N-Ethyl 2-isopropyl-5-methylcyclohexanecarboxamide	39711-79-0	1601	Evaluated - No safety concern	3455	GRAS List 9 (26)	16.013	Evaluated - No safety concern
(+/-) N,N-Dimethyl menthyl succinamide	544714-08-1	1602	Evaluated - No safety concern	4230	GRAS List 22	16.092	Evaluated - No safety concern
1-Pyrroline	5724-81-2	1603	Evaluated - No safety concern	3898	GRAS List 18	14.167	Evaluated - No safety concern
2-Acetyl-1-pyrroline	85213-22-5	1604	Evaluated - No safety concern	4249	GRAS List 22 (29)	14.080	Evaluated - No safety concern
2-Propionylpyrroline	133447-37-7	1605	Evaluated - No safety concern	4063	GRAS List 21		No longer supported for evaluation

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Isopentylidene isopentylamine	35448-31-8	1606	Evaluated - No safety concern	3990	GRAS List 20	11.017	Evaluated - No safety concern
Piperidine	110-89-4	1607	Evaluated - No safety concern	2908	GRAS List 3	14.010	Evaluated - No safety concern
2-Methylpiperidine	109-05-7	1608	Evaluated - No safety concern	4244	GRAS List 22	14.133	Evaluated - No safety concern
Pyrrrolidine	123-75-1	1609	Evaluated - No safety concern	3523	GRAS List 10	14.064	Evaluated - No safety concern
Trimethylamine	75-50-3	1610	Evaluated - No safety concern	3241	GRAS List 4	11.009	Evaluated - No safety concern
Triethylamine	121-44-8	1611	Evaluated - No safety concern	4246	GRAS List 22	11.023	Evaluated - No safety concern
Tripropylamine	102-69-2	1612	Evaluated - No safety concern	4247	GRAS List 22	11.026	Evaluated - No safety concern
N,N-Dimethylphenethylamine	1126-71-2	1613	Evaluated - No safety concern	4248	GRAS List 22		No longer supported for evaluation
Trimethylamine oxide	1184-78-7	1614	Evaluated - No safety concern	4245	GRAS List 22	11.025	Evaluated - No safety concern
Piperazine	110-85-0	1615	Evaluated - No safety concern	4250	GRAS List 22	14.141	Evaluated - No safety concern
Methyl 4-pentenoate	818-57-5	1616	Evaluated - No safety concern	4353	GRAS List 23		
2-Methylbut-2-en-1-ol	4675-87-0	1617	Evaluated - No safety concern	4178	GRAS List 22	02.174	Evaluated - No safety concern
Ethyl 4-pentenoate	1968-40-7	1618	Evaluated - No safety concern	4360	GRAS List 23		
4-Pentenal	2100-17-6	1619	Evaluated - No safety concern	4262	GRAS List 23	05.174	Evaluated - No safety concern
3-Isopropenylpentanedioic acid	6839-75-4	1620	Evaluated - No safety concern	4352	GRAS List 23		
trans-3-Hexenol	928-97-2	1621	Evaluated - No safety concern	4356	GRAS List 23		
trans-4-Hexenal	25166-87-4	1622	Evaluated - No safety concern	4046	GRAS List 21	05.224	Evaluated - No safety concern
5-Hexenol	821-41-0	1623	Evaluated - No safety concern	4351	GRAS List 23		
Methyl (Z)-3-hexenoate	13894-62-7	1624	Evaluated - No safety concern	4164	GRAS List 22	09.937	Evaluated - No safety concern
cis-4-Octenol	54393-36-1	1625	Evaluated - No safety concern	4354	GRAS List 23		No longer supported for evaluation
Ethyl (Z)-3-hexenoate	64187-83-3	1626	Evaluated - No safety concern	4112	GRAS List 22	09.939	Evaluated - No safety concern
3-Octenoic acid	1577-19-1	1627	Evaluated - No safety concern	4362	GRAS List 23		No longer supported for evaluation
(Z)-3-Octenyl propionate	94134-03-9	1628	Evaluated - No safety concern	4189	GRAS List 22		
trans-4-Octenoic acid	18776-92-6	1629	Evaluated - No safety concern	4357	GRAS List 23		
Methyl (Z)-5-octenoate	41654-15-3	1630	Evaluated - No safety concern	4165	GRAS List 22	09.934	Evaluated - No safety concern
cis-5-Octenoic acid	41653-97-8	1631	Evaluated - No safety concern	4350	GRAS List 23		
Ethyl 3-octenoate	1117-65-3	1632	Evaluated - No safety concern	4361	GRAS List 23	09.377	Evaluated - No safety concern
cis-4-Decenol	57074-37-0	1633	Evaluated - No safety concern	4349	GRAS List 23		
Isobutyl 10-undecenoate	5421-27-2	1634	Evaluated - No safety concern	4358	GRAS List 23		
11-Dodecenoic acid	65423-25-8	1635	Evaluated - No safety concern	4355	GRAS List 23		
(Z)-4-Dodecenal	21944-98-9	1636	Evaluated - No safety concern	4036	GRAS List 21	05.220	Evaluated - No safety concern
cis-9-Octadecenol	143-28-2	1637	Evaluated - No safety concern	4363	GRAS List 23		
cis-9-Octadecenyl acetate	693-80-1	1638	Evaluated - No safety concern	4359	GRAS List 23		
Methyl-10-undecenoate	111-81-9	1639	Evaluated - No safety concern	4253	GRAS List 22		
(Z)-8-Tetradecenal	169054-69-7	1640	Evaluated - No safety concern	4066	GRAS List 21	05.208	Evaluated - No safety concern
Octadec-9-enal	5090-41-5	1641	Evaluated - No safety concern	4059	GRAS List 21	05.203	Evaluated - No safety concern
(E)-4-Nonenal	2277-16-9	1642	Evaluated - No safety concern	4302	GRAS List 23		
2,3,4-Trimethyl-3-pentanol	3054-92-0	1643	Evaluated - No safety concern	3903	GRAS List 18	02.245	Evaluated - No safety concern
(+/-)-2,4,8-Trimethyl-7-nonen-2-ol	437770-28-0	1644	Evaluated - No safety concern	4212	GRAS List 22	02.250	Evaluated - No safety concern
(E)- and (Z)-2,4,8-Trimethyl-3,7-nonadien-2-ol	479547-57-4	1645	Evaluated - No safety concern	4211	GRAS List 22	02.251	Evaluated - No safety concern
Nerolidol	7212-44-4	1646	Evaluated - No safety concern	2772	GRAS List 3 (25)	02.018	Evaluated - No safety concern
6-Acetyldihydrotheaspirane	57893-27-3; 72541-09-4	1647	Evaluated - No safety concern	3651	GRAS List 13	13.087	Evaluated - No safety concern
6-Hydroxydihydrotheaspirane	65620-50-0; 57967-68-7	1648	Evaluated - No safety concern	3549	GRAS List 11	13.076	Evaluated - No safety concern
1-Phenyl-3-methyl-3-pentanol	10415-87-9	1649	Evaluated - No safety concern	2883	GRAS List 3 (25)	02.037	Evaluated - No safety concern
p-alpha,alpha-Trimethylbenzyl alcohol	1197-01-9	1650	Evaluated - No safety concern	3242	GRAS List 4 (25)	02.042	Evaluated - No safety concern

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(+/-) Ethyl-2-hydroxy-2-methylbutyrate	77-70-3	1651	Evaluated - No safety concern	4268	GRAS List 23		
(+/-)-Ethyl 2-hydroxy-3-methylvalerate	24323-38-4	1652	Evaluated - No safety concern	4269	GRAS List 23		
alpha,alpha-Dimethylphenethyl alcohol	100-86-7	1653	Evaluated - No safety concern	2393	GRAS List 3	02.035	Evaluated - No safety concern
alpha,alpha-Dimethylphenethyl formate	10058-43-2	1654	Evaluated - No safety concern	2395	GRAS List 3	09.086	Evaluated - No safety concern
alpha,alpha-Dimethylphenethyl acetate	151-05-3	1655	Evaluated - No safety concern	2392	GRAS List 3	09.227	Evaluated - No safety concern
alpha,alpha-Dimethylphenethyl butyrate	10094-34-5	1656	Evaluated - No safety concern	2394	GRAS List 3 (25)	09.232	Evaluated - No safety concern
alpha,alpha-Dimethylbenzyl isobutyrate	7774-60-9	1657	Evaluated - No safety concern	2388	GRAS List 3 (25)	09.509	Evaluated - No safety concern
Ethanethiol	75-08-1	1659	Evaluated - No safety concern	4258	GRAS List 23	12.017	Evaluated - No safety concern
Ethane-1,1-dithiol	69382-62-3	1660	Evaluated - No safety concern	4111	GRAS List 22	12.293	Evaluated - No safety concern
Dimercaptomethane	6725-64-0	1661	Evaluated - No safety concern	4097	GRAS List 22	12.243	Evaluated - No safety concern
1-Pentanethiol	110-66-7	1662	Evaluated - No safety concern	4333	GRAS List 23	12.191	Evaluated - No safety concern
Heptane-1-thiol	1639-09-4	1663	Evaluated - No safety concern	4259	GRAS List 23	12.130	Evaluated - No safety concern
2-Heptanethiol	628-00-2	1664	Evaluated - No safety concern	4128	GRAS List 22	12.288	Evaluated - No safety concern
(+/-)-1-Phenylethylmercaptan	6263-65-6	1665	Evaluated - No safety concern	4061	GRAS List 21	12.289	Evaluated - No safety concern
2-Mercaptoanisole	7217-59-6	1666	Evaluated - No safety concern	4159	GRAS List 22	12.139	Evaluated - No safety concern
Propyl 2-mercaptopropionate	19788-50-2	1667	Evaluated - No safety concern	4207	GRAS List 22	12.267	Evaluated - No safety concern
Methionyl butyrate	16630-60-7	1668	Evaluated - No safety concern	4160	GRAS List 22	12.277	Evaluated - No safety concern
(+/-)-4-Mercapto-4-methyl-2-pentanol	31539-84-1	1669	Evaluated - No safety concern	4158	GRAS List 22	12.252	Evaluated - No safety concern
4-Mercapto-2-pentanone	92585-08-5	1670	Evaluated - No safety concern	4157	GRAS List 22	12.264	Evaluated - No safety concern
(S)-1-Methoxy-3-heptanthiol	400052-49-5	1671	Evaluated - No safety concern	4162	GRAS List 22	12.276	Evaluated - No safety concern
Diisopentyl thiomalate	68084-03-7	1672	Evaluated - No safety concern	4096	GRAS List 22	12.108	Evaluated - No safety concern
cis- and trans-Mercapto-p-menthan-3-one	29725-66-4	1673	Evaluated - No safety concern	4300	GRAS List 23	12.259	Evaluated - No safety concern
Methyl 3-mercaptobutanoate	54051-19-3	1674	Evaluated - No safety concern	4167	GRAS List 22	12.290	Evaluated - No safety concern
Methylthiomethylmercaptan	29414-47-9	1675	Evaluated - No safety concern	4185	GRAS List 22	12.242	Evaluated - No safety concern
Thioacetic acid	507-09-5	1676	Evaluated - No safety concern	4210	GRAS List 22		No longer supported for evaluation
(+/-)-Isobutyl 3-methylthiobutyrate	127931-21-9	1677	Evaluated - No safety concern	4150	GRAS List 22	12.214	Evaluated - No safety concern
S-Methyl propanethioate	5925-75-7	1678	Evaluated - No safety concern	4172	GRAS List 22	12.165	Evaluated - No safety concern
S-Isopropyl 3-methylbut-2-enethioate	34365-79-2	1679	Evaluated - No safety concern	4260	GRAS List 23	12.134	Evaluated - No safety concern
S-Ethyl 2-acetylaminio ethanthioate	4396-62-7	1680	Evaluated - No safety concern	4039	GRAS List 21		
Allyl thiohexanoate	156420-69-8	1681	Evaluated - No safety concern	4076	GRAS List 22	12.275	Evaluated - No safety concern
2-Methyl-1-methylthio-2-butene	89534-74-7	1683	Evaluated - No safety concern	4173	GRAS List 22	12.265	Evaluated - No safety concern
2,4,6-Trithiaheptane	6540-86-9	1684	Evaluated - No safety concern	4214	GRAS List 22	12.240	Evaluated - No safety concern
(+/-)-2,8-Epithio-cis-p-menthane	68398-18-5	1685	Evaluated - No safety concern	4108	GRAS List 22		No longer supported for evaluation
3,5-Diethyl-1,2,4-trithiolane	54644-28-9	1686	Evaluated - No safety concern	4030	GRAS List 21	15.049	Evaluated - No safety concern
3,6-Diethyl-1,2,4,5-tetrathiane, mixture with 3,5-diethyl-1,2,4-trithiolane	54717-12-3; 54644-28-9	1687	Evaluated - No safety concern	4094	GRAS List 22	12.274	Evaluated - No safety concern
3-Methylthio-2-butanone	53475-15-3	1688	Evaluated - No safety concern	4181	GRAS List 22	12.285	Evaluated - No safety concern
4-Methylthio-2-pentanone	143764-28-7	1689	Evaluated - No safety concern	4182	GRAS List 22	12.286	Evaluated - No safety concern
Methyl 3-(methylthio)butanoate	207983-28-6	1690	Evaluated - No safety concern	4166	GRAS List 22	12.287	Evaluated - No safety concern
Methyl (methylthio)acetate	16630-66-3	1691	Evaluated - No safety concern	4003	GRAS List 20	12.146	Evaluated - No safety concern
(+/-)-3-(Methylthio)heptanal	51755-70-5	1692	Evaluated - No safety concern	4183	GRAS List 22	12.273	Evaluated - No safety concern
Methyl ethyl disulfide	20333-39-5	1693	Evaluated - No safety concern	4040	GRAS List 21	12.153	Evaluated - No safety concern
Ethyl propyl disulfide	30453-31-7	1694	Evaluated - No safety concern	4041	GRAS List 21	12.126	Evaluated - No safety concern
Ethyl propyl trisulfide	31499-70-4	1695	Evaluated - No safety concern	4042	GRAS List 21		No longer supported for evaluation
Methyl isopentyl disulfide	72437-56-0	1696	Evaluated - No safety concern	4168	GRAS List 22	12.294	Evaluated - No safety concern
Amyl methyl disulfide	72437-68-4	1697	Evaluated - No safety concern	4025	GRAS List 21	12.253	Evaluated - No safety concern
Butyl ethyl disulfide	63986-03-8	1698	Evaluated - No safety concern	4027	GRAS List 21	12.254	Evaluated - No safety concern

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Diethyl disulfide	110-81-6	1699	Evaluated - No safety concern	4093	GRAS List 22	12.012	Evaluated - No safety concern
Allyl propyl disulfide	2179-59-1	1700	Evaluated - No safety concern	4073	GRAS List 22	12.021	Evaluated - No safety concern
Diethyl trisulfide	3600-24-6	1701	Evaluated - No safety concern	4029	GRAS List 21		No longer supported for evaluation
Propyl propane thiosulfonate	1113-13-9	1702	Evaluated - No safety concern	4263	GRAS List 23		No longer supported for evaluation
(+/-) 3-(Ethylthio)butanol	117013-33-9	1703	Evaluated - No safety concern	4282	GRAS List 23		
Hexyl 3-mercaptobutanoate	796857-79-9	1704	Evaluated - No safety concern	4136	GRAS List 22	12.292	Evaluated - No safety concern
(+/-)-3-Mercapto-1-butyl acetate	89534-38-3	1705	Evaluated - No safety concern	4325	GRAS List 23		
3-Mercapto-3-methyl-1-butyl acetate	50746-09-3	1706	Evaluated - No safety concern	4324	GRAS List 23		
2,5-Dithiahexane	6628-18-8	1707	Evaluated - No safety concern	4298	GRAS List 23		
3-Mercaptoheptyl acetate	548774-80-7	1708	Evaluated - No safety concern	4289	GRAS List 23	12.297	Evaluated - No safety concern
bis-(1-Mercaptopropyl)sulfide	53897-60-2	1709	Evaluated - No safety concern	4297	GRAS List 23	12.284	Evaluated - No safety concern
S-Allyl-L-cysteine	21593-77-1	1710	Evaluated - No safety concern	4322	GRAS List 23	17.036	Evaluated - No safety concern
2,4-Dimethyl-1,3-dioxolane	3390-12-3	1711	Evaluated - No safety concern	4099	GRAS List 22	06.077	Evaluated - No safety concern
2-Hexyl-4,5-dimethyl-1,3-dioxolane	6454-22-4	1712	Evaluated - No safety concern	4048	GRAS List 21	06.089	Evaluated - No safety concern
cis- and trans-Ethyl 2,4-dimethyl-1,3-dioxolane-2-acetate	6290-17-1	1715	Evaluated - No safety concern	4294	GRAS List 23	06.087	Evaluated - No safety concern
Dihydroxyacetone dimer	62147-49-3; 96-26-4	1716	Evaluated - No safety concern	4033	GRAS List 21		
1-Hydroxy-2-butanone	5077-67-8	1717	Evaluated - No safety concern	3173	GRAS List 4 (25)	07.090	Evaluated - No safety concern
Ethyl 3-acetoxy-2-methylbutyrate	139564-43-5	1718	Evaluated - No safety concern	4038	GRAS List 21	09.919	Evaluated - No safety concern
Methyl 5-acetoxyhexanoate	35234-22-1	1719	Evaluated - No safety concern	4055	GRAS List 21	09.632	Evaluated - No safety concern
(+/-)-1-Acetoxy-1-ethoxyethane	1608-72-6	1726	Evaluated - No safety concern	4069	GRAS List 22	03.023	Evaluated - No safety concern
Acetaldehyde hexyl isoamyl acetal	233665-90-2	1727	Evaluated - No safety concern	4365	GRAS List 23	06.114	Evaluated - No safety concern
1,1-Dimethoxy-trans-2-hexene	18318-83-7	1728	Evaluated - No safety concern	4098	GRAS List 22	06.072	Evaluated - No safety concern
Acetaldehyde diisoamyl acetal	13002-09-0	1729	Evaluated - No safety concern	4024	GRAS List 21	06.055	Evaluated - No safety concern
Isovaleraldehyde diethyl acetal	3842-03-3	1730	Evaluated - No safety concern	4371	GRAS List 23	06.059	Evaluated - No safety concern
Valeraldehyde dibutyl acetal	13112-65-7	1731	Evaluated - No safety concern	4375	GRAS List 23		
Isovaleraldehyde propyleneglycol acetal	18433-93-7	1732	Evaluated - No safety concern	4286	GRAS List 23	06.135	Evaluated - No safety concern
Isovaleraldehyde glyceryl acetal	54355-74-7	1733	Evaluated - No safety concern	4380	GRAS List 23		
Valeraldehyde propyleneglycol acetal	74094-60-3	1734	Evaluated - No safety concern	4372	GRAS List 23		
Hexanal hexyl isoamyl acetal	896447-13-5	1735	Evaluated - No safety concern	4369	GRAS List 23		
Hexanal octane-1,3-diol acetal	202188-46-3	1736	Evaluated - No safety concern	4377	GRAS List 23		
Hexanal butane-2,3-diol acetal	155639-75-1	1737	Evaluated - No safety concern	4384	GRAS List 23		
Hexanal dihexyl acetal	33673-65-3	1738	Evaluated - No safety concern	4370	GRAS List 23		
Heptanal propyleneglycol acetal	4351-10-4	1739	Evaluated - No safety concern	4368	GRAS List 23		
2,6-Dimethyl-5-heptenal propyleneglycol acetal	74094-63-6	1740	Evaluated - No safety concern	4382	GRAS List 23		
Octanal propyleneglycol acetal	74094-61-4	1741	Evaluated - No safety concern	4383	GRAS List 23		
Nonanal dimethyl acetal	18824-63-0	1742	Evaluated - No safety concern	4367	GRAS List 23		
Nonanal propyleneglycol acetal	68391-39-9	1743	Evaluated - No safety concern	4373	GRAS List 23		
Decanal propyleneglycol acetal	5421-12-5	1744	Evaluated - No safety concern	4364	GRAS List 23		
Undecanal propyleneglycol acetal	74094-62-5	1745	Evaluated - No safety concern	4374	GRAS List 23		
Dodecanal dimethyl acetal	14620-52-1	1746	Evaluated - No safety concern	4366	GRAS List 23		
Acetaldehyde di-cis-3-hexenyl acetal	63449-64-9	1747	Evaluated - No safety concern	4381	GRAS List 23		
Isobutanal propyleneglycol acetal	67879-60-1	1748	Evaluated - No safety concern	4287	GRAS List 23		No longer supported for evaluation
Acetaldehyde 1,3-octadiol acetal	202188-43-0	1749	Evaluated - No safety concern	4376	GRAS List 23		
1-(3-Hydroxy-5-methyl-2-thienyl)ethanone	133860-42-1	1750	Evaluated - No safety concern	4142	GRAS List 22		No longer supported for evaluation
2-(5-Methyl-4-thiazolyl)ethyl formate	90731-56-9	1751	Evaluated - No safety concern	4275	GRAS List 23		

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2-(4-Methyl-5-thiazolyl)-ethyl propionate	324742-96-3	1752	Evaluated - No safety concern	4276	GRAS List 23		
2-(4-Methyl-5-thiazolyl)ethyl butanoate	94159-31-6	1753	Evaluated - No safety concern	4277	GRAS List 23		
2-(5-Methyl-4-thiazolyl)ethyl isobutyrate	324742-95-2	1754	Evaluated - No safety concern	4278	GRAS List 23		
2-(4-Methyl-5-thiazolyl)ethyl hexanoate	94159-32-7	1755	Evaluated - No safety concern	4279	GRAS List 23		
2-(4-Methyl-5-thiazolyl)-ethyl octanoate	163266-17-9	1756	Evaluated - No safety concern	4280	GRAS List 23		
2-(4-Methyl-5-thiazolyl)ethyl decanoate	101426-31-7	1757	Evaluated - No safety concern	4281	GRAS List 23		
2,5-Dimethylthiazole	4175-66-0	1758	Evaluated - No safety concern	4035	GRAS List 21	15.063	Evaluated - No safety concern
2-Acetyl-2-thiazoline	29926-41-8	1759	Evaluated - No safety concern	3817	GRAS List 18	15.010	Evaluated - No safety concern
2-Propionyl-2-thiazoline	29926-42-9	1760	Evaluated - No safety concern	4064	GRAS List 21	15.128	Evaluated - No safety concern
cis- and trans-5-Ethyl-4-methyl-2-(2-methylpropyl)-thiazoline	83418-53-5	1761	Evaluated - No safety concern	4319	GRAS List 23	15.130	Evaluation pending
cis- and trans-5-Ethyl-4-methyl-2-(1-methylpropyl)-thiazoline	83418-54-6	1762	Evaluated - No safety concern	4318	GRAS List 23	15.131	Evaluation pending
Pyrrolidino-[1,2e]-4H-2,4-dimethyl-1,3,5-dithiazine	116505-60-3	1763	Evaluated - No safety concern	4321	GRAS List 23	15.055	Evaluated - No safety concern
2-Hexylthiophene	18794-77-9	1764	Evaluated - No safety concern	4137	GRAS List 22	15.076	Evaluated - No safety concern
3-(Methylthio)methylthiophene	61675-72-7	1765	Evaluated - No safety concern	4184	GRAS List 22	15.126	Evaluated - No safety concern
5-Acetyl-2,3-dihydro-1,4-thiazine	164524-93-0	1766	Evaluated - No safety concern	4296	GRAS List 23		No longer supported for evaluation
N-(Heptan-4-yl)benzo[d][1,3]dioxole-5-carboxamide	745047-51-2	1767	Evaluated - No safety concern	4232	GRAS List 22 (30)	16.098	Evaluated - No safety concern
N1-(2,4-Dimethoxybenzyl)-N2-(2-(pyridin-2-yl)ethyl)oxalamide	745047-53-4	1768	Evaluated - No safety concern	4233	GRAS List 22 (25)	16.099	Evaluated - No safety concern
N1-(2-Methoxy-4-methylbenzyl)-N2-(2-(5-methylpyridin-2-yl)ethyl)oxalamide	745047-94-3	1769	Evaluated - No safety concern	4234	GRAS List 22	16.100	Evaluated - No safety concern
N1-(2-Methoxy-4-methylbenzyl)-N2-(2-(pyridin-2-yl)ethyl)oxalamide	745047-97-6	1770	Evaluated - No safety concern	4231	GRAS List 22	16.101	Evaluated - No safety concern
4-Aminobutyric acid	56-12-2	1771	Evaluated - No safety concern	4288	GRAS List 23	17.035	Evaluated - No safety concern
N-(2-Hydroxyethyl)galactonamide	686298-93-1	1772	Evaluated - No safety concern	4254	GRAS List 23 (24)	16.102	Evaluated - No safety concern
N-Gluconyl ethanolamine phosphate	791807-20-0	1773	Evaluated - No safety concern	4255	GRAS List 23	16.105	Evaluated - No safety concern
N-Lactoyl ethanolamine	5422-34-4	1774	Evaluated - No safety concern	4256	GRAS List 23 (24)	16.103	Evaluated - No safety concern
N-Lactoyl ethanolamine phosphate	782498-03-7	1775	Evaluated - No safety concern	4257	GRAS List 23	16.104	Evaluated - No safety concern
N-[(Ethoxycarbonyl)methyl]-p-menthane-3-carboxamide	68489-14-5	1776	Evaluated - No safety concern	4309	GRAS List 23 (26)	16.111	Evaluated - No safety concern
N-[2-(3,4-Dimethoxyphenyl)ethyl]-3,4-dimethoxycinnamic acid amide	69444-90-2	1777	Evaluated - No safety concern	4310	GRAS List 23 (26)	16.090	Evaluated - No safety concern
N-3,7-Dimethyl-2,6-octadienyl cyclopropylcarboxamide	744251-93-2	1779	Evaluated - No safety concern	4267	GRAS List 23	16.095	Evaluated - No safety concern
2,4-Hexadienyl acetate	1516-17-2	1780	Evaluated - No safety concern	4132	GRAS List 22	09.573	Evaluated - No safety concern
2,4-Hexadienyl propionate	16491-25-1	1781	Evaluated - No safety concern	4131	GRAS List 22		
2,4-Hexadienyl isobutyrate	16491-24-0	1782	Evaluated - No safety concern	4134	GRAS List 22		
2,4-Hexadienyl butyrate	16930-93-1	1783	Evaluated - No safety concern	4133	GRAS List 22		
2,4-Heptadien-1-ol	33467-79-7	1784	Evaluated - No safety concern	4127	GRAS List 22	02.153	Evaluated - No safety concern
Nona-2,4,6-trienal	57018-53-8	1785	Evaluated - No safety concern	4187	GRAS List 22	05.173	Evaluated - No safety concern
2,4,7-Decatrienal	51325-37-2; 66642-86-2	1786	Evaluated - No safety concern	4089	GRAS List 22	05.141	Evaluated - No safety concern
Estragole	140-67-0	1789	Evaluation pending - additional data required	2411	GRAS List 3		No longer supported for evaluation
(Z)-2-Penten-1-ol	20273-24-9	1793	Evaluated - No safety concern	4305	GRAS List 23	02.050	Evaluated - No safety concern
(E)-Dec-2-en-1-ol	18409-18-2; 22104-80-9	1794	Evaluated - No safety concern	4304	GRAS List 23	02.137	Evaluated - No safety concern
(Z)-Pent-2-enyl hexanoate	74298-89-8	1795	Evaluated - No safety concern	4191	GRAS List 22	09.678	Evaluated - No safety concern
(E)-2-Hexenyl octanoate	85554-72-9	1796	Evaluated - No safety concern	4135	GRAS List 22	09.841	Evaluated - No safety concern
trans-2-Hexenyl 2-methylbutyrate	94089-01-7	1797	Evaluated - No safety concern	4274	GRAS List 23		
Hept-trans-2-en-1-yl acetate	16939-73-4	1798	Evaluated - No safety concern	4125	GRAS List 22	09.385	Evaluated - No safety concern
(E,Z)-Hept-2-en-1-yl isovalerate	253596-70-2	1799	Evaluated - No safety concern	4126	GRAS List 22	09.303	Evaluated - No safety concern
trans-2-Hexenal glyceryl acetal	214220-85-6; 897630-96-5; 897672-50-3 ++	1800	Evaluated - No safety concern	4273	GRAS List 23		
trans-2-Hexenal propylene glycol acetal	94089-21-1	1801	Evaluated - No safety concern	4272	GRAS List 23		

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cis- and trans-1-Methoxy-1-decene	79930-37-3	1802	Evaluated - No safety concern	4161	GRAS List 22	03.022	Evaluated - No safety concern
(E)-Tetradec-2-enal	51534-36-2	1803	Evaluated - No safety concern	4209	GRAS List 22	05.179	Evaluated - No safety concern
(E)-2-Pentenoic acid	13991-37-2	1804	Evaluated - No safety concern	4193	GRAS List 22	08.107	Evaluated - No safety concern
(E)-2-Octenoic acid	1871-67-6	1805	Evaluated - No safety concern	3957	GRAS List 19	08.114	Evaluated - No safety concern
Ethyl trans-2-butenolate	10544-63-5; 623-70-1	1806	Evaluated - No safety concern	3486	GRAS List 10 (25)	09.248	Evaluated - No safety concern
Hexyl 2-butenolate	19089-92-0	1807	Evaluated - No safety concern	3354	GRAS List 6	09.266	Evaluated - No safety concern
Hexyl (E)-but-2-enoate	1617-25-0	1807	Evaluated - No safety concern	3354	GRAS List 6	09.578	Evaluated - No safety concern
Ethyl trans-2-hexenoate	27829-72-7	1808	Evaluated - No safety concern	3675	GRAS List 13 (25)	09.850	Evaluated - No safety concern
(E,Z)-Methyl 2-hexenoate	2396-77-2	1809	Evaluated - No safety concern	2709	GRAS List 3	09.181	Evaluated - No safety concern
Hexyl trans-2-hexenoate	33855-57-1	1810	Evaluated - No safety concern	3692	GRAS List 13 (25)	09.292	Evaluated - No safety concern
Methyl oct-2(trans)-enoate	7367-81-9	1811	Evaluated - No safety concern	3712	GRAS List 13	09.299	Evaluated - No safety concern
Ethyl trans-2-octenoate	7367-82-0	1812	Evaluated - No safety concern	3643	GRAS List 12 (25)	09.285	Evaluated - No safety concern
(E,Z)-Methyl 2-nonenolate	111-79-5	1813	Evaluated - No safety concern	2725	GRAS List 3 (25)	09.234	Evaluated - No safety concern
Ethyl trans-2-decenoate	7367-88-6	1814	Evaluated - No safety concern	3641	GRAS List 12 (25)	09.283	Evaluated - No safety concern
Ethyl (E)-2-methyl-2-pentenoate	1617-40-9	1815	Evaluated - No safety concern	4290	GRAS List 23		
2-Methylbutyl 3-methyl-2-butenolate	97890-13-6	1816	Evaluated - No safety concern	4306	GRAS List 23	09.942	Evaluated - No safety concern
(+/-)(E)- and (Z)-5-(2,2-Dimethylcyclopropyl)-3-methyl-2-pentenal	877-60-1	1817	Evaluated - No safety concern	4105	GRAS List 22		
(E,Z)-4-Methylpent-2-enoic acid	10321-71-8	1818	Evaluated - No safety concern	4180	GRAS List 22	08.099	Evaluated - No safety concern
(+/-)-4-Ethyloctanal	58475-04-0	1819	Evaluated - No safety concern	4117	GRAS List 22	05.223	Evaluated - No safety concern
(E)-Geranyl 2-methylbutyrate	68705-63-5	1820	Evaluated - No safety concern	4122	GRAS List 22	09.382	Evaluated - No safety concern
(E)-Geranyl valerate	10402-47-8	1821	Evaluated - No safety concern	4123	GRAS List 22	09.150	Evaluated - No safety concern
(E)-Geranyl tiglate	7785-33-3	1822	Evaluated - No safety concern	4044	GRAS List 21	09.383	Evaluated - No safety concern
(E)-Citronellyl 2-methylbut-2-enoate	24717-85-9	1823	Evaluated - No safety concern	4295	GRAS List 23	09.340	Evaluated - No safety concern
(E)-Ethyl tiglate	5837-78-5	1824	Evaluated - No safety concern	2460	GRAS List 3 (25)	09.495	Evaluated - No safety concern
(E,Z)-Geranic acid	459-80-3	1825	Evaluated - No safety concern	4121	GRAS List 22 (28)	08.081	Evaluated - No safety concern
Prenyl formate	68480-28-4	1826	Evaluated - No safety concern	4205	GRAS List 22	09.694	Evaluated - No safety concern
Prenyl acetate	1191-16-8	1827	Evaluated - No safety concern	4202	GRAS List 22	09.692	Evaluated - No safety concern
Prenyl isobutyrate	76649-23-5	1828	Evaluated - No safety concern	4206	GRAS List 22	09.695	Evaluated - No safety concern
Prenyl caproate	76649-22-4	1829	Evaluated - No safety concern	4204	GRAS List 22		
(+/-)-Dihydrofarnesol	51411-24-6	1830	Evaluated - No safety concern	4031	GRAS List 21		
(E,Z)-3,7,11-Trimethyldodeca-2,6,10-trienyl acetate	29548-30-9	1831	Evaluated - No safety concern	4213	GRAS List 22	09.818	Evaluated - No safety concern
(E,Z)-Phytol	150-86-7	1832	Evaluated - No safety concern	4196	GRAS List 22	02.204	Evaluated - No safety concern
(E,Z)-Phytol acetate	10236-16-5	1833	Evaluated - No safety concern	4197	GRAS List 22	09.691	Evaluated - No safety concern
Methyl 2-methyl-2-propenoate	80-62-6	1834	Evaluated - No safety concern	4002	GRAS List 20	09.647	Evaluated - No safety concern
Isopropenyl acetate	108-22-5	1835	Evaluated - No safety concern	4152	GRAS List 22	09.822	Evaluated - No safety concern
1-Octen-3-yl acetate	2442-10-6	1836	Evaluated - No safety concern	3582	GRAS List 11	09.281	Evaluated - No safety concern
1-Octen-3-yl butyrate	16491-54-6	1837	Evaluated - No safety concern	3612	GRAS List 12	09.282	Evaluated - No safety concern
6-Methyl-5-hepten-2-yl acetate	19162-00-6	1838	Evaluated - No safety concern	4177	GRAS List 22	09.938	Evaluated - No safety concern
3-(Hydroxymethyl)- 2-octanone	59191-78-5	1839	Evaluated - No safety concern	3292	GRAS List 5	07.097	Evaluated - No safety concern
(+/-) [R-(E)]-5-Isopropyl-8-methylnona-6,8-dien-2-one	2278-53-7	1840	Evaluated - No safety concern	4331	GRAS List 23	07.239	Evaluated - No safety concern
(+/-)-cis- and trans-4,8-Dimethyl-3,7-nonadien-2-ol	67845-50-5	1841	Evaluated - No safety concern	4102	GRAS List 22	02.252	Evaluated - No safety concern
(+/-)-1-Hepten-3-ol	4938-52-7	1842	Evaluated - No safety concern	4129	GRAS List 22	02.155	Evaluated - No safety concern
(E,Z)-4-Octen-3-one	14129-48-7	1843	Evaluated - No safety concern	4328	GRAS List 23		
(E)-2-Nonen-4-one	27743-70-0	1844	Evaluated - No safety concern	4301	GRAS List 23		
(E)-5-Nonen-2-one	27039-84-5	1845	Evaluated - No safety concern	4326	GRAS List 23		
(Z)-3-Hexenyl 2-oxopropionate	68133-76-6	1846	Evaluated - No safety concern	3934	GRAS List 19	09.565	Evaluated - No safety concern
(+/-)-cis and trans-4,8-Dimethyl-3,7-nonadien-2-yl acetate	91418-25-6	1847	Evaluated - No safety concern	4103	GRAS List 22	09.936	Evaluated - No safety concern
(E)-1,5-Octadien-3-one	65213-86-7	1848	Evaluated - No safety concern	4405	GRAS List 23	07.190	Evaluated - No safety concern
10-Undecen-2-one	36219-73-5	1849	Evaluated - No safety concern	4406	GRAS List 23		

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2,4-Dimethyl-4-nonanol	74356-31-3	1850	Evaluated - No safety concern	4407	GRAS List 23	02.253	Evaluated - No safety concern
8-Nonen-2-one	5009-32-5	1851	Evaluated - No safety concern	4408	GRAS List 23		
Menthyl valerate	89-47-4	1852	Evaluated - No safety concern	4156	GRAS List 22	09.154	Evaluated - No safety concern
2-(l-Methoxy)ethanol	38618-23-4	1853	Evaluated - No safety concern	4154	GRAS List 22	02.247	Evaluated - No safety concern
l-Menthyl acetoacetate	59557-05-0	1854	Evaluated - No safety concern	4327	GRAS List 23		
l-Menthyl (R,S)-3-hydroxybutyrate	108766-16-1; 115869-76-6	1855	Evaluated - No safety concern	4308	GRAS List 23	09.949	Evaluated - No safety concern
l-Piperitone	4573-50-6	1856	Evaluated - No safety concern	4200	GRAS List 22	07.255	Evaluated - No safety concern
2,6,6-Trimethylcyclohex-2-en-1,4-dione	1125-21-9	1857	Evaluated - No safety concern	3421	GRAS List 7 (25)	07.109	Evaluated - No safety concern
Menthyl pyrrolidone carboxylate	68127-22-0	1858	Evaluated - No safety concern	4155	GRAS List 22		
3,9-Dimethyl-6-(1-methylethyl)-1,4-dioxaspiro[4.5]decan-2-one	831213-72-0	1859	Evaluated - No safety concern	4285	GRAS List 23	06.136	Evaluated - No safety concern
8-p-Menthene-1,2-diol	1946-00-5	1860	Evaluated - No safety concern	4409	GRAS List 23		
d-2,8-p-Menthadien-1-ol	22771-44-4	1861	Evaluated - No safety concern	4411	GRAS List 23		
Dehydronootkatone	5090-63-1	1862	Evaluated - No safety concern	4091	GRAS List 22		
Isobornyl isobutyrate	85586-67-0	1863	Evaluated - No safety concern	4146	GRAS List 22	09.584	Evaluated - No safety concern
l-Bornyl acetate	5655-61-8	1864	Evaluated - No safety concern	4080	GRAS List 22	09.848	Evaluated - No safety concern
Thujyl alcohol	21653-20-3	1865	Evaluated - No safety concern	4079	GRAS List 22	02.207	Evaluated - No safety concern
Vetiverol	89-88-3	1866	Evaluated - No safety concern	4217	GRAS List 22		No longer supported for evaluation
Vetiveryl acetate	117-98-6	1867	Evaluated - No safety concern	4218	GRAS List 22		No longer supported for evaluation
3-Pinanone	18358-53-7	1868	Evaluated - No safety concern	4198	GRAS List 22	07.171	Evaluated - No safety concern
Isobornyl 2-methylbutyrate	94200-10-9	1869	Evaluated - No safety concern	4147	GRAS List 22	09.888	Evaluated - No safety concern
Verbenone	80-57-9	1870	Evaluated - No safety concern	4216	GRAS List 22	07.196	Evaluated - No safety concern
Methyl hexanoate	106-70-7	1871	Evaluated - No safety concern	2708	GRAS List 3 (25)	09.069	No need for evaluation
Hexyl heptanoate	1119-06-8	1872	Evaluated - No safety concern	4337	GRAS List 23		
Hexyl nonanoate	6561-39-3	1873	Evaluated - No safety concern	4339	GRAS List 23		
Hexyl decanoate	10448-26-7	1874	Evaluated - No safety concern	4342	GRAS List 23		
Heptyl heptanoate	624-09-9	1875	Evaluated - No safety concern	4341	GRAS List 23		
Dodecyl propionate	6221-93-8	1876	Evaluated - No safety concern	4338	GRAS List 23		
Dodecyl butyrate	3724-61-6	1877	Evaluated - No safety concern	4340	GRAS List 23		
4-Hydroxy-3,5-dimethoxybenzaldehyde	134-96-3	1878	Evaluated - No safety concern	4049	GRAS List 21 (25)	05.153	Evaluated - No safety concern
Vanillin 3-(l-menthoxy)propane-1,2-diol acetal	180964-47-0	1879	Evaluated - No safety concern	3904	GRAS List 18	02.248	Evaluated - No safety concern
Sodium 4-methoxybenzoyloxyacetate	17114-82-8	1880	Evaluated - No safety concern	4016	GRAS List 20		
Divanillin	2092-49-1	1881	Evaluated - No safety concern	4107	GRAS List 22	05.221	Evaluated - No safety concern
Vanillin propylene glycol acetal	68527-74-2	1882	Evaluated - No safety concern	3905	GRAS List 18	06.104	Evaluated - No safety concern
4-Methoxybenzoyloxyacetic acid	10414-68-3	1883	Evaluated - No safety concern	4016	GRAS List 20		
Methyl isothiocyanate	556-61-6	1884	Evaluated - No safety concern	4426	GRAS List 23		
Ethyl isothiocyanate	542-85-8	1885	Evaluated - No safety concern	4420	GRAS List 23		
Isobutyl isothiocyanate	591-82-2	1886	Evaluated - No safety concern	4424	GRAS List 23		
Isoamyl isothiocyanate	628-03-5	1887	Evaluated - No safety concern	4423	GRAS List 23		
Isopropyl isothiocyanate	2253-73-8	1888	Evaluated - No safety concern	4425	GRAS List 23		
3-Butenyl isothiocyanate	3386-97-8	1889	Evaluated - No safety concern	4418	GRAS List 23	12.283	Evaluated - No safety concern
2-Butyl isothiocyanate	4426-79-3	1890	Evaluated - No safety concern	4419	GRAS List 23		
Amyl isothiocyanate	629-12-9	1891	Evaluated - No safety concern	4417	GRAS List 23		
4-(Methylthio)butyl isothiocyanate	4430-36-8	1892	Evaluated - No safety concern	4414	GRAS List 23		
4-Pentenyl isothiocyanate	18060-79-2	1893	Evaluated - No safety concern	4427	GRAS List 23		
5-Hexenyl isothiocyanate	49776-81-0	1894	Evaluated - No safety concern	4421	GRAS List 23		
Hexyl isothiocyanate	4404-45-9	1895	Evaluated - No safety concern	4422	GRAS List 23		
5-(Methylthio)pentyl isothiocyanate	4430-42-6	1896	Evaluated - No safety concern	4416	GRAS List 23		

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6-(Methylthio)hexyl isothiocyanate	4430-39-1	1897	Evaluated - No safety concern	4415	GRAS List 23		
Methyl 3-oxo-2-pentyl-1-cyclopentylacetate	24851-98-7	1898	Evaluated - No safety concern	3408	GRAS List 7 (25)	09.520	Evaluated - No safety concern
cis-4-(2,2,3-Trimethylcyclopentyl)butanoic acid	957136-80-0	1899	Evaluated - No safety concern	4529	GRAS List 24	08.135	Evaluated - No safety concern
(2,4)- and (3,5)- and (3,6)-Dimethyl-3-cyclohexenylcarbaldehyde	27939-60-2	1900	Evaluated - No safety concern	4505	GRAS List 24		
Perillaldehyde propyleneglycol acetal	121199-28-8	1901	Evaluated - No safety concern	4530	GRAS List 24		
(+/-) cis and trans-1,2-Dihydroperillaldehyde	22451-50-9; 22451-49-6	1902	Evaluated - No safety concern	4312	GRAS List 23		
d-Limonen-10-ol	38142-45-9	1903	Evaluated - No safety concern	4504	GRAS List 24		
p-Menthan-7-ol	5502-75-0	1904	Evaluated - No safety concern	4507	GRAS List 24		
p-Menth-1-en-9-ol	18479-68-0	1905	Evaluated - No safety concern	4508	GRAS List 24		
1,3-p-Menthadien-7-al	1197-15-5	1906	Evaluated - No safety concern	4506	GRAS List 24		
cis- and trans-2-Heptylcyclopropanecarboxylic acid	697290-76-9; 697290-77-0	1907	Evaluated - No safety concern	4130	GRAS List 22	08.131	Evaluated - No safety concern
(+/-)-cis- and trans-2-Methyl-2-(4-methyl-3-pentenyl)cyclopropanecarbaldehyde	97231-35-1; 130932-16-0	1908	Evaluated - No safety concern	4393	GRAS List 23		
Methyl octyl sulfide	3698-95-1	1909	Evaluated - No safety concern	4573	GRAS List 24		
Methyl 1-propenyl sulfide	10152-77-9	1910	Evaluated - No safety concern	4574	GRAS List 24	12.163	Evaluated - No safety concern
Di-(1-propenyl)-sulfide (mixture of isomers)	65819-74-1; 37981-37-6; 37981-36-5	1911	Evaluated - No safety concern	4386	GRAS List 23	12.298	Evaluated - No safety concern
Ethyl 2-hydroxyethyl sulfide	110-77-0	1912	Evaluated - No safety concern	4562	GRAS List 24		
2-(Methylthio)ethyl acetate	5862-47-5	1913	Evaluated - No safety concern	4560	GRAS List 24		No longer supported for evaluation
3-(Methylthio)propyl mercaptoacetate	852997-30-9	1914	Evaluation pending - additional data required	4561	GRAS List 24		
Ethyl 3-(methylthio)-cis-2-propenoate	136115-66-7	1915	Evaluated - No safety concern	4563	GRAS List 24		
Ethyl 3-(methylthio)-trans-2-propenoate	136115-65-6	1916	Evaluated - No safety concern	4564	GRAS List 24		
Ethyl 3-(methylthio)-2-propenoate	77105-51-2	1917	Evaluated - No safety concern	4565	GRAS List 24		
4-Methyl-2-(methylthiomethyl)-2-pentenal	40878-73-7	1918	Evaluated - No safety concern	4568	GRAS List 24		
4-Methyl-2-(methylthiomethyl)-2-hexenal	99910-84-6	1919	Evaluated - No safety concern	4566	GRAS List 24		
5-Methyl-2-(methylthiomethyl)-2-hexenal	85407-25-6	1920	Evaluated - No safety concern	4567	GRAS List 24		
Butyl beta-(methylthio)acrylate	77105-53-4	1921	Evaluated - No safety concern	4571	GRAS List 24		
Ethyl 3-(ethylthio)butyrate	90201-28-8	1922	Evaluated - No safety concern	4572	GRAS List 24		
2-Oxothiolane	1003-10-7	1923	Evaluated - No safety concern	4570	GRAS List 24		
Dodecanethiol	112-55-0	1924	Evaluated - No safety concern	4581	GRAS List 24		
2-Hydroxyethanethiol	60-24-2	1925	Evaluated - No safety concern	4582	GRAS List 24		
4-Mercapto-4-methyl-2-hexanone	851768-52-0	1926	Evaluated - No safety concern	4583	GRAS List 24		
3-Mercapto-3-methylbutyl isovalerate	612071-27-9	1927	Evaluated - No safety concern	4584	GRAS List 24		
(+/-)-Ethyl 3-mercapto-2-methylbutanoate	888021-82-7	1928	Evaluated - No safety concern	4392	GRAS List 23		
3-Mercaptohexanal	51755-72-7	1929	Evaluated - No safety concern	4585	GRAS List 24	12.250	Evaluated - No safety concern
Diisoamyl disulfide	2051-04-9	1930	Evaluated - No safety concern	4575	GRAS List 24		
bis(2-Methylphenyl) disulfide	4032-80-8	1931	Evaluation pending - additional data required	4576	GRAS List 24		
Butyl propyl disulfide	72437-64-0	1932	Evaluated - No safety concern	4577	GRAS List 24		
Di-sec-butyl disulfide	5943-30-6	1933	Evaluated - No safety concern	4578	GRAS List 24		
Diisoamyl trisulfide	955371-64-9	1934	Evaluated - No safety concern	4580	GRAS List 24		
Methyl 2-methylphenyl disulfide	35379-09-0	1935	Evaluated - No safety concern	4579	GRAS List 24		
3-Mercaptopropionic acid	107-96-0	1936	Evaluated - No safety concern	4587	GRAS List 24		
Methyl isobutanethioate	42075-42-3	1937	Evaluated - No safety concern	4586	GRAS List 24		
2-Ethylhexyl 3-mercaptopropionate	50448-95-8	1938	Evaluated - No safety concern	4588	GRAS List 24		

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Butanal dibenzyl thioacetal	101780-73-8	1939	Evaluation pending - additional data required	4589	GRAS List 24		
Methional diethyl acetal	16630-61-8	1940	Evaluated - No safety concern	4590	GRAS List 24		
3-(Methylthio)propyl hexanoate	906079-63-8	1941	Evaluation pending - additional data required	4436	GRAS List 24	12.299	Evaluated - No safety concern
1-(3-(Methylthio)-butyryl)-2,6,6-trimethylcyclohexene	68697-67-6	1942	Evaluated - No safety concern	4569	GRAS List 24		
(+/-)-cis- and trans-2-Pentyl-4-propyl-1,3-oxathiane	59323-81-8	1943	Evaluation pending - additional data required	4499	GRAS List 24	16.114	Evaluated - No safety concern
2-Pentenyl-4-propyl-1,3-oxathiane (mixture of isomers)	1094004-39-3	1944	Evaluation pending - additional data required	4526	GRAS List 24		
Hydroxyacetone	116-09-6	1945	Evaluated - No safety concern	4462	GRAS List 24	07.169	Evaluated - No safety concern
Propyl pyruvate	20279-43-0	1946	Evaluated - No safety concern	4484	GRAS List 24		
Methyl 3-hydroxybutyrate	1487-49-6	1947	Evaluated - No safety concern	4450	GRAS List 24		
Dodecyl lactate	6283-92-7	1948	Evaluated - No safety concern	4482	GRAS List 24		
(+/-)-Ethyl 3-hydroxy-2-methylbutyrate	27372-03-8	1949	Evaluated - No safety concern	4391	GRAS List 23		No longer supported for evaluation
Hexadecyl lactate	35274-05-6	1950	Evaluated - No safety concern	4483	GRAS List 24		
Methyl 3-acetoxy-2-methylbutyrate	139564-42-4	1951	Evaluated - No safety concern	4451	GRAS List 24		
1-Hydroxy-4-methyl-2-pentanone	68113-55-3	1952	Evaluated - No safety concern	4463	GRAS List 24		
Ethyl 2-acetylhexanoate	1540-29-0	1953	Evaluated - No safety concern	4452	GRAS List 24		
3-Isopropenyl-6-oxoheptanoic acid	4436-82-2	1954	Evaluated - No safety concern	4461	GRAS List 24		
Ethyl 3-hydroxyoctanoate	7367-90-0	1955	Evaluated - No safety concern	4453	GRAS List 24	09.916	Evaluated - No safety concern
Methyl 3-acetoxyoctanoate	35234-21-0	1956	Evaluated - No safety concern	4454	GRAS List 24		
5-Oxooctanoic acid	3637-14-7	1957	Evaluated - No safety concern	4455	GRAS List 24		
Ethyl 2-acetyloctanoate	29214-60-6	1958	Evaluated - No safety concern	4459	GRAS List 24		
Ethyl 5-acetoxyoctanoate	35234-25-4	1959	Evaluated - No safety concern	4443	GRAS List 24		
5-Oxodecanoic acid	624-01-1	1960	Evaluated - No safety concern	4456	GRAS List 24		
Ethyl 5-oxodecanoate	93919-00-7	1961	Evaluated - No safety concern	4457	GRAS List 24		
Ethyl 5-hydroxydecanoate	75587-06-3	1962	Evaluated - No safety concern	4444	GRAS List 24		
5-Oxododecanoic acid	3637-16-9	1963	Evaluated - No safety concern	4458	GRAS List 24		
Dimethyl adipate	627-93-0	1964	Evaluated - No safety concern	4472	GRAS List 24		
Dipropyl adipate	106-19-4	1965	Evaluated - No safety concern	4473	GRAS List 24		
Diisopropyl adipate	6938-94-9	1966	Evaluated - No safety concern	4474	GRAS List 24		
Diisobutyl adipate	141-04-8	1967	Evaluated - No safety concern	4475	GRAS List 24		
Dioctyl adipate	123-79-5	1968	Evaluated - No safety concern	4476	GRAS List 24	09.951	Evaluated - No safety concern
Ethyl acetoacetate ethyleneglycol ketal	6413-10-1	1969	Evaluated - No safety concern	4477	GRAS List 24		
Methyl levulinate	624-45-3	1970	Evaluated - No safety concern	4478	GRAS List 24		
Propyl levulinate	645-67-0	1971	Evaluated - No safety concern	4480	GRAS List 24		
Isoamyl levulinate	71172-75-3	1972	Evaluated - No safety concern	4481	GRAS List 24		
Ethyl levulinate propyleneglycol ketal	57197-36-1	1973	Evaluation pending - additional data required	4479	GRAS List 24		
cis-3-Hexenyl acetoacetate	84434-20-8	1974	Evaluated - No safety concern	4489	GRAS List 24		
Hydroxycitronellal propyleneglycol acetal	93804-64-9	1975	Evaluated - No safety concern	4485	GRAS List 24		
Propyleneglycol diacetate	623-84-7	1976	Evaluated - No safety concern	4464	GRAS List 24		
6-[5(6)-Decenoyloxy]decanoic acid	85392-05-8; 85392-06-9	1977	Evaluated - No safety concern	4442	GRAS List 24		
Propyleneglycol dipropionate	10108-80-2	1978	Evaluated - No safety concern	4465	GRAS List 24		
Propyleneglycol monobutyrate	29592-95-8	1979	Evaluated - No safety concern	4488	GRAS List 24		
Propyleneglycol dibutyrate	50980-84-2	1980	Evaluated - No safety concern	4466	GRAS List 24		

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Propyleneglycol mono-2-methylbutyrate	923593-56-0; 923593-57-1	1981	Evaluated - No safety concern	4467	GRAS List 24		
Propyleneglycol di-2-methylbutyrate	155514-30-0	1982	Evaluated - No safety concern	4468	GRAS List 24		
Propyleneglycol monohexanoate	39556-41-7; 170678-49-6	1983	Evaluated - No safety concern	4469	GRAS List 24		
Propyleneglycol dihexanoate	50343-36-7	1984	Evaluated - No safety concern	4470	GRAS List 24		
Propyleneglycol dioctanoate	7384-98-7	1985	Evaluated - No safety concern	4471	GRAS List 24		
2-Oxo-3-ethyl-4-butanolide	923291-29-6	1986	Evaluated - No safety concern	4460	GRAS List 24		
Ethyl 5-hydroxyoctanoate	75587-05-2	1987	Evaluated - No safety concern	4610	GRAS List 24		
Isopropylidenedeglyceryl 5-hydroxydecanoate	172201-58-0	1988	Evaluation pending - additional data required	4611	GRAS List 24		
5-Pentyl-3H-furan-2-one	51352-68-2	1989	Evaluated - No safety concern	4323	GRAS List 23		No longer supported for evaluation
5-Hydroxy-4-methylhexanoic acid delta-lactone	10413-18-0	1990	Evaluated - No safety concern	4141	GRAS List 22	10.168	Evaluated - No safety concern
Isoambrettolide	28645-51-4	1991	Evaluated - No safety concern	4145	GRAS List 22	10.063	Evaluated - No safety concern
7-Decen-4-olide	67114-38-9	1992	Evaluated - No safety concern	4439	GRAS List 24	10.038	Evaluated - No safety concern
9-Decen-5-olide	74585-00-5	1993	Evaluated - No safety concern	4440	GRAS List 24		
8-Decen-5-olide	32764-98-0	1994	Evaluated - No safety concern	4441	GRAS List 24	10.040	Evaluated - No safety concern
Orin lactone	134359-15-2	1995	Evaluated - No safety concern	4449	GRAS List 24		
9-Dodecen-5-olide	15456-68-5	1996	Evaluated - No safety concern	4445	GRAS List 24		
9-Tetradecen-5-olide	15456-70-9	1997	Evaluated - No safety concern	4448	GRAS List 24		
gamma-Octadecalactone	502-26-1	1998	Evaluated - No safety concern	4446	GRAS List 24 (25)		
delta-Octadecalactone	1227-51-6	1999	Evaluated - No safety concern	4447	GRAS List 24 (25)		
4-hydroxy-2-butenic acid gamma-lactone	497-23-4	2000	Evaluated - No safety concern	4138	GRAS List 22		Safety Concern (genotoxicity)
2-nonenic acid gamma-lactone	21963-26-8	2001	Evaluated - No safety concern	4188	GRAS List 22		No longer supported for evaluation
4-hydroxy-2,3-dimethyl-2,4-nonadienoic acid gamma lactone	774-64-1	2002	Evaluated - No safety concern	4050	GRAS List 21		No longer supported for evaluation
Choline chloride (also includes choline)	67-48-1	2003	Evaluated - No safety concern	4500	GRAS List 24 (26)		
3-(Methylthio)propylamine	4104-45-4	2004	Evaluated - No safety concern	4649	GRAS List 24		No longer supported for evaluation
N-Ethyl-2,2-diisopropylbutanamide	51115-70-9	2005	Evaluation pending - additional data required	4557	GRAS List 24		
Cyclopropanecarboxylic acid (2-isopropyl-5-methyl-cyclohexyl)-amide	958660-02-1; 958660-04-3	2006	Evaluated - No safety concern	4558	GRAS List 24 (26)	16.115	Evaluated - No safety concern
(+/-)-N-Lactoyl tyramine	781674-18-8	2007	Evaluation pending - additional data required	4550	GRAS List 24	16.107	Evaluated - No safety concern
N-(2-(Pyridin-2-yl)ethyl)-3-p-menthanecarboxamide	847565-09-7	2008	Evaluated - No safety concern	4549	GRAS List 24	16.118	Evaluated - No safety concern
N-p-Benzene acetonitrile-menthane-carboxamide	852379-28-3	2009	Evaluated - No safety concern	4496	GRAS List 24	16.117	Evaluated - No safety concern
N-(2-Hydroxyethyl)-2,3-dimethyl-2-isopropylbutanamide	883215-02-9	2010	Evaluation pending - additional data required	4602	GRAS List 24		
N-(1,1-Dimethyl-2-hydroxyethyl)-2,2-diethylbutanamide	51115-77-6	2011	Evaluation pending - additional data required	4603	GRAS List 24		
4-Propenylphenol	539-12-8	2012	Evaluated - No safety concern	4062	GRAS List 21	04.097	Evaluated - No safety concern
2,4,6-Trimethylphenol	527-60-6	2013	Evaluated - No safety concern	4329	GRAS List 23	04.095	Evaluated - No safety concern
4-Hydroxy-3-methoxycinnamic acid	1135-24-6	2014	Evaluated - No safety concern	3812	GRAS List 17	08.089	Evaluated - No safety concern
Sodium 3-methoxy-4-hydroxycinnamate	24276-84-4	2014	Evaluated - No safety concern	3812	GRAS List 17		
Guaiacol butyrate	4112-92-9	2015	Evaluated - No safety concern	4607	GRAS List 24	09.944	Evaluated - No safety concern
Guaiacol isobutyrate	723759-62-4	2016	Evaluated - No safety concern	4608	GRAS List 24	09.945	Evaluated - No safety concern
Guaiacol propionate	7598-60-9	2017	Evaluated - No safety concern	4609	GRAS List 24	09.943	Evaluated - No safety concern

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4-(2-Propenyl)phenyl-beta-D-glucopyranoside	64703-98-6	2018	Evaluated - No safety concern	4548	GRAS List 24		
Phenyl butyrate	4346-18-3	2019	Evaluated - No safety concern	4621	GRAS List 24		
Hydroxy(4-hydroxy-3-methoxyphenyl)acetic acid	55-10-7	2020	Evaluated - No safety concern	4660	GRAS List 24	08.134	Evaluated - No safety concern
1-(4-hydroxy-3-methoxyphenyl)-decan-3-one	27113-22-0	2021	Evaluated - No safety concern	4665	GRAS List 24	07.234	Evaluated - No safety concern
3-(4-Hydroxy-phenyl)-1-(2,4,6-trihydroxy-phenyl)-propan-1-one	60-82-2	2022	Evaluated - No safety concern	4390	GRAS List 23 (30)	16.109	Evaluated - No safety concern
Magnolol	528-43-8	2023	Evaluated - No safety concern	4559	GRAS List 24		
5,7-dihydroxy-2-(3-hydroxy-4-methoxy-phenyl)-chroman-4-one	69097-99-0; 520-33-2	2024	Evaluated - No safety concern	4313	GRAS List 23 (26)	16.097	Evaluated - No safety concern
Dimethyl benzyl carbonyl crotonate	93762-34-6	2025	Evaluated - No safety concern	4403	GRAS List 23		
Dimethylbenzyl carbonyl hexanoate	891781-90-1	2026	Evaluated - No safety concern	4404	GRAS List 23		
Caryophyllene alcohol	472-97-9; 56747-96-7	2027	Evaluated - No safety concern	4410	GRAS List 23		
Cubebol	23445-02-5	2028	Evaluated - No safety concern	4497	GRAS List 24		
(-)-Sclareol	515-03-7	2029	Evaluated - No safety concern	4502	GRAS List 24	02.206	Evaluated - No safety concern
(+)-Cedrol	77-53-2	2030	Evaluated - No safety concern	4503	GRAS List 24	02.120	Evaluated - No safety concern
alpha-bisabolol	23089-26-1	2031	Evaluated - No safety concern	4666	GRAS List 24	02.129	Evaluated - No safety concern
3-Methyl-2,4-nonanedione	113486-29-6	2032	Evaluated - No safety concern	4057	GRAS List 21	07.184	Evaluated - No safety concern
Acetoin propyleneglycol ketal	94089-23-3	2033	Evaluated - No safety concern	4532	GRAS List 24		
Mixture of 3-Hydroxy-5-methyl-2-hexanone and 2-Hydroxy-5-methyl-3-hexanone	163038-04-8; 246511-74-0	2034	Evaluated - No safety concern	3989	GRAS List 20	07.260	Evaluated - No safety concern
3-Hydroxy-2-octanone	37160-77-3	2035	Evaluated - No safety concern	4139	GRAS List 22	07.238	Evaluated - No safety concern
2,3-Octanedione	585-25-1	2036	Evaluated - No safety concern	4060	GRAS List 21	07.248	Evaluated - No safety concern
4,5-Octanedione	5455-24-3	2037	Evaluated - No safety concern	4533	GRAS List 24	07.071	Evaluated - No safety concern
(+/-)-2-Hydroxypiperitone	490-03-9	2038	Evaluated - No safety concern	4143	GRAS List 22	07.168	Evaluated - No safety concern
1,1'-(Tetrahydro-6a-hydroxy-2,3a,5-trimethylfuro[2,3-d]-1,3-dioxole-2,5-diyl)bis-ethanone	18114-49-3	2039	Evaluated - No safety concern	4303	GRAS List 23		No longer supported for evaluation
4-Hydroxyacetophenone	99-93-4	2040	Evaluated - No safety concern	4330	GRAS List 23	07.243	Evaluated - No safety concern
3-Hydroxy-4-phenylbutan-2-one	5355-63-5	2041	Evaluated - No safety concern	4052	GRAS List 21	07.242	Evaluated - No safety concern
2-Methoxyacetophenone	579-74-8	2042	Evaluated - No safety concern	4163	GRAS List 22	07.254	Evaluated - No safety concern
2-Aminoacetophenone	551-93-9	2043	Evaluated - No safety concern	3906	GRAS List 19		No longer supported for evaluation
2-Methylacetophenone	577-16-2	2044	Evaluated - No safety concern	4316	GRAS List 23	07.259	Evaluated - No safety concern
2-Hydroxy-5-methylacetophenone	1450-72-2	2045	Evaluated - No safety concern	4594	GRAS List 24		
Dihydrogalangal acetate	129319-15-9	2046	Evaluation pending - additional data required	4555	GRAS List 24	09.946	Evaluated - No safety concern
2,3,3-Trimethylindan-1-one	54440-17-4	2047	Evaluated - No safety concern	4556	GRAS List 24		
4-(3,4-Methylenedioxyphenyl)-2-butanone	55418-52-5	2048	Evaluated - No safety concern	2701	GRAS List 3 (25)	07.031	No need for evaluation
2-(trans-2-Pentenyl)cyclopentanone	51608-18-5	2049	Evaluated - No safety concern	4284	GRAS List 23		
2-Cyclopentylcyclopentanone	4884-24-6	2050	Evaluated - No safety concern	4514	GRAS List 24		
Cyclohexanone diethyl ketal	1670-47-9	2051	Evaluated - No safety concern	4516	GRAS List 24		
2-cyclohexenone	930-68-7	2052	Evaluated - No safety concern	4517	GRAS List 24		
3,3,5-Trimethylcyclohexyl acetate	67859-96-5	2053	Evaluated - No safety concern	4512	GRAS List 24		
2,6,6-Trimethyl-2-hydroxycyclohexanone	7500-42-7	2054	Evaluated - No safety concern	4531	GRAS List 24		
Cyclotene propionate	87-55-8	2055	Evaluated - No safety concern	4511	GRAS List 24		
Cyclotene butyrate	68227-51-0	2056	Evaluated - No safety concern	4648	GRAS List 24		No longer supported for evaluation
4-(2-Butenylidene)-3,5,5-trimethylcyclohex-2-en-1-one (mixture of isomers)	13215-88-8	2057	Evaluated - No safety concern	4663	GRAS List 24		No longer supported for evaluation
4-Hydroxy-4-(3-hydroxy-1-butenyl)-3,5,5-trimethyl-2-cyclohexen-1-one	24427-77-8	2058	Evaluated - No safety concern	4661	GRAS List 24		
(-)-8,9-Dehydrotheaspironone	85248-56-2	2059	Evaluated - No safety concern	4518	GRAS List 24		

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(+/-)-2,6,10,10-Tetramethyl-1-oxaspiro[4,5]deca-2,6-dien-8-one	80722-28-7	2060	Evaluated - No safety concern	4662	GRAS List 24		
Benzyl hexanoate	6938-45-0	2061	Evaluated - No safety concern	4026	GRAS List 21	09.316	Evaluated - No safety concern
o-Anisaldehyde	135-02-4	2062	Evaluated - No safety concern	4077	GRAS List 22	05.129	Evaluated - No safety concern
Prenyl benzoate	5205-11-8	2063	Evaluated - No safety concern	4203	GRAS List 22	09.693	Evaluated - No safety concern
Benzyl levulinate	6939-75-9	2064	Evaluated - No safety concern	4623	GRAS List 24		
4-Methylbenzyl alcohol	589-18-4	2065	Evaluated - No safety concern	4624	GRAS List 24		
Benzyl nonanoate	6471-66-5	2066	Evaluated - No safety concern	4626	GRAS List 24		
4-Methylbenzaldehyde propyleneglycol acetal	58244-29-4	2067	Evaluated - No safety concern	4628	GRAS List 24		
2-Ethylhexyl benzoate	5444-75-7	2068	Evaluated - No safety concern	4630	GRAS List 24		
(+/-)-Octan-3-yl formate	84434-65-1	2070	Evaluated - No safety concern	4009	GRAS List 20	09.926	Evaluated - No safety concern
(R)-(-)-1-Octen-3-ol	3687-48-7	2071	Evaluated - No safety concern	4492	GRAS List 24		
2-Pentyl 2-methylpentanoate	90397-36-7	2072	Evaluated - No safety concern	4401	GRAS List 23		
3-Octyl butyrate	20286-45-7	2073	Evaluated - No safety concern	4402	GRAS List 23		
2-Decanone	693-54-9	2074	Evaluated - No safety concern	4271	GRAS List 23	07.150	Evaluated - No safety concern
6-Methyl-5-hepten-2-one propyleneglycol acetal	68258-95-7	2075	Evaluated - No safety concern	4400	GRAS List 23		
2-Nonanone propyleneglycol acetal	165191-91-3	2076	Evaluated - No safety concern	4399	GRAS List 23		
(2E,6E/Z,8E)-N-(2-Methylpropyl)-2,6,8-decatrienamide	25394-57-4; 504-48-3	2077	Evaluated - No safety concern	4668	GRAS List 25	16.121	Evaluated - No safety concern
(2S,5R)-N-[4-(2-Amino-2-oxoethyl)phenyl]-5-methyl-2-(propan-2-yl)cyclohexanecarboxamide	1119711-29-3	2078	Evaluated - No safety concern	4684	GRAS List 25 (28)	16.125	Evaluated - No safety concern
(1R,2S,5R)-N-(4-Methoxyphenyl)-5-methyl-2-(1-methylethyl)cyclohexanecarboxamide	68489-09-8	2079	Evaluated - No safety concern	4681	GRAS List 25	16.123	Evaluated - No safety concern
N-Cyclopropyl-5-methyl-2-isopropylcyclohexanecarboxamide	73435-61-7	2080	Evaluated - No safety concern	4693	GRAS List 25		No longer supported for evaluation
N-(2-Methylcyclohexyl)-2,3,4,5,6-pentafluorobenzamide	1003050-32-5	2081	Evaluated - No safety concern	4678	GRAS List 25 (28)	16.119	Evaluated - No safety concern
3[[4-Amino-2,2-dioxido-1H-2,1,3-benzothiadiazin-5-yl)oxy]-2,2-dimethyl-N-propylpropanamide	1093200-92-0	2082	Evaluated - No safety concern	4701	GRAS List 25 (29)	16.126	Evaluated - No safety concern
3-Pentanethiol	616-31-9	2083	Evaluated - No safety concern	4694	GRAS List 25	12.303	Evaluated - No safety concern
4-Mercapto-3-methyl-2-butanol	33959-27-2	2084	Evaluated - No safety concern	4698	GRAS List 25	12.302	Evaluated - No safety concern
Ethyl 2-Mercapto-2-methylpropionate	33441-50-8	2085	Evaluated - No safety concern	4714	GRAS List 25	12.304	Evaluated - No safety concern
1-(Methylthio)-3-octanone	61837-77-2	2086	Evaluated - No safety concern	4707	GRAS List 25		No longer supported for evaluation
1,1-Propanedithiol	88497-17-0	2087	Evaluated - No safety concern	4670	GRAS List 25	12.300	Evaluated - No safety concern
1-Methylthio-2-propanone	122861-78-3	2088	Evaluated - No safety concern	4696	GRAS List 25	12.301	Evaluated - No safety concern
(+/-) 4-Methyl-2-propyl-1,3-oxathiane	1064678-08-5	2089	Evaluated - No safety concern	4677	GRAS List 25	16.122	Evaluated - No safety concern
5-Methylfurfurylmercaptan	59303-05-8	2090	Evaluated - No safety concern	4697	GRAS List 25	13.149	Evaluated - No safety concern
2-Methyl-3-furyl methylthiomethyl disulfide	333384-99-9	2091	Evaluated - No safety concern	4320	GRAS List 23		
2-Methyl-3-furyl 2-methyl-3-tetrahydrofuryl disulfide	252736-40-6	2092	Evaluated - No safety concern	4545	GRAS List 24		
2-Tetrahydrofurfuryl 2-mercaptopropionate	99253-91-5	2093	Evaluation pending - additional data required	4535	GRAS List 24		
Methyl 3-(furfurylthio) propionate	94278-26-9	2094	Evaluated - No safety concern	4538	GRAS List 24	13.143	Evaluated - No safety concern
3-[(2-Methyl-3-furyl)thio]butanal	915971-43-6	2095	Evaluated - No safety concern	4501	GRAS List 24	13.199	Evaluated - No safety concern
1-(2-Furfurylthio)-propanone	58066-86-7	2096	Evaluated - No safety concern	4676	GRAS List 25	13.135	Evaluated - No safety concern
2-Methyl-4,5-dihydrofuran-3-thiol	26486-13-5	2097	Evaluated - No safety concern	4683	GRAS List 25	13.108	Evaluated - No safety concern
(+/-)-2-Methyltetrahydrofuran-3-thiol acetate	252736-41-7	2098	Evaluated - No safety concern	4686	GRAS List 25		No longer supported for evaluation
5-Methylfurfuryl alcohol	3857-25-8	2099	Evaluation pending - additional data required	4544	GRAS List 24		
Furfural propyleneglycol acetal	4359-54-0	2100	Evaluation pending - additional data required	4537	GRAS List 24		

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Furfuryl formate	13493-97-5	2101	Evaluation pending - additional data required	4542	GRAS List 24		
Furfuryl decanoate	39252-05-6	2102	Evaluation pending - additional data required	4539	GRAS List 24		
(E)-Ethyl 3-(2-furyl)acrylate	53282-12-5	2103	Evaluated - No safety concern	4541	GRAS List 24		
di-2-Furylmethane	1197-40-6	2104	Evaluated - No safety concern	4540	GRAS List 24		
2-Methylbenzofuran	4265-25-2	2105	Evaluated - No safety concern	4543	GRAS List 24		
2-Pentylthiophene	4861-58-9	2106	Evaluated - No safety concern	4387	GRAS List 23	15.096	Evaluated - No safety concern
2-Acetyl-5-methylthiophene	13679-74-8	2107	Evaluated - No safety concern	4643	GRAS List 24		
2-Pentylthiazole	37645-62-8	2108	Evaluated - No safety concern	4641	GRAS List 24		
4,5-Dimethyl-2-isobutylthiazole	53498-32-1	2109	Evaluated - No safety concern	4647	GRAS List 24	15.078	Evaluated - No safety concern
3,4-Dimethylthiophene	632-15-5	2110	Evaluated - No safety concern	4645	GRAS List 24		No longer supported for evaluation
2-Thienylmethanol	636-72-6	2111	Evaluated - No safety concern	4642	GRAS List 24		
1-(2-Thienyl)ethanethiol	94089-02-8	2112	Evaluated - No safety concern	4646	GRAS List 24		No longer supported for evaluation
5-Ethyl-2-methylthiazole	19961-52-5	2113	Evaluated - No safety concern	4388	GRAS List 23	15.068	Evaluated - No safety concern
2-Ethyl-2,5-dihydro-4-methylthiazole	41803-21-8	2114	Evaluated - No safety concern	4695	GRAS List 25		
4-Methyl-3-thiazoline	52558-99-3	2115	Evaluated - No safety concern	4644	GRAS List 24		
2-Ethyl-4,6-dimethyl-dihydro-1,3,5-dithiazine	54717-14-5; 54717-13-4	2116	Evaluated - No safety concern	4667	GRAS List 25	15.135	Evaluated - No safety concern
4-Amino-5,6-dimethylthieno[2,3-d]pyrimidin-2(1H)-one (hydrochloride)	121746-18-7; 1033366-59-4	2117	Evaluated - No safety concern	4669	GRAS List 25 (29)	16.116	Evaluated - No safety concern
L-Isoleucine	73-32-5	2118	Evaluated - No safety concern	4675	GRAS List 25		
Threonine	80-68-2; 632-20-2	2119		4710		17.021	Evaluated - No safety concern
L-Threonine	72-19-5	2119	No need for evaluation - macronutrients and normal components of protein	4710	GRAS List 25		
L-Ornithine monochlorohydrate	3184-13-2	2120	Evaluated - No safety concern	4190	GRAS List 22		No longer supported for evaluation
L-Alanyl-L-Glutamine	39537-23-0	2121	Evaluated - No safety concern	4712	GRAS List 25		
L-Methionylglycine	14486-03-4	2122	Evaluated - No safety concern	4692	GRAS List 25	17.037	Evaluation pending
Glutamyl-valyl-glycine	38837-70-6	2123	Evaluated - No safety concern	4709	GRAS List 25 (30)	17.038	Evaluated - No safety concern
Isopropenylpyrazine	38713-41-6	2125	Evaluated - No safety concern	3296	GRAS List 5		No longer supported for evaluation
5-Ethyl-2,3-dimethylpyrazine	15707-34-3	2126	Evaluated - No safety concern	4434	GRAS List 24	14.170	Evaluated - No safety concern
2-Methyl-5-vinylpyrazine	13925-08-1	2127	Evaluated - No safety concern	3211	GRAS List 4		
Mixture of 2,5 and 2,7-Dimethyl-6,7-dihydro-5H-cyclopentapyrazine	38917-61-2; 38917-62-3	2128	Evaluated - No safety concern	4702	GRAS List 25	14.102	Evaluated - No safety concern
6,7-Dihydro-2,5-dimethyl-5H-cyclopentapyrazine	38917-61-2	2128	Evaluated - No safety concern	4702	GRAS List 25	14.161	Evaluated - No safety concern
2-Ethoxy-3-isopropylpyrazine	72797-16-1	2129	Evaluated - No safety concern	4632	GRAS List 24		
Mixture of 3,5 and 3,6-Dimethyl-2-isobutylpyrazine	38888-81-2	2130	Evaluated - No safety concern	4100	GRAS List 22		
2-Ethoxy-3-ethylpyrazine	35243-43-7	2131	Evaluated - No safety concern	4633	GRAS List 24		
2-Ethyl-3-methylthiopyrazine	72987-62-3	2132	Evaluated - No safety concern	4631	GRAS List 24		
3,6-Dimethyl-2,3,3a,4,5,7a-hexahydrobenzofuran	70786-44-6	2133	Evaluated - No safety concern	4315	GRAS List 23	13.198	Evaluated - No safety concern
Ethyl linalyl ether	72845-33-1	2134	Evaluated - No safety concern	4591	GRAS List 24		
Linalool oxide pyranoid	14049-11-7	2135	Evaluation pending - additional data required	4593	GRAS List 24		
Isoamyl phenethyl ether	56011-02-0	2136	Evaluated - No safety concern	4635	GRAS List 24		

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Nerolidol oxide	1424-83-5	2137	Evaluated - No safety concern	4536	GRAS List 24		
Methyl hexyl ether	4747-07-3	2138	Evaluated - No safety concern	4291	GRAS List 23	03.016	Evaluated - No safety concern
Myrcenyl methyl ether	24202-00-4	2139	Evaluated - No safety concern	4592	GRAS List 24		
5-Isopropyl-2,6-diethyl-2-methyltetrahydro-2H-pyran	1120363-98-5	2140	Evaluated - No safety concern	4680	GRAS List 25	13.200	Evaluated - No safety concern
Butyl beta-naphthyl ether	10484-56-7	2141	Evaluated - No safety concern	4634	GRAS List 24		
Digeranyl ether	31147-36-1	2142	Evaluated - No safety concern	4664	GRAS List 24	03.024	Evaluated - No safety concern
Ethyl alpha-ethyl-beta-methyl-beta-phenylglycidate	19464-94-9	2143	Evaluated - No safety concern	4653	GRAS List 24		
Methyl beta-phenylglycidate	37161-74-3	2144	Evaluated - No safety concern	4654	GRAS List 24		
d-8-p-Menthene-1,2-epoxide	1195-92-2	2145	Evaluated - No safety concern	4655	GRAS List 24		
l-8-p-Menthene-1,2-epoxide	203719-53-3	2146	Evaluated - No safety concern	4656	GRAS List 24		
2,3-Epoxyoctanal	42134-50-9	2147	Evaluation pending - additional data required	4657	GRAS List 24		
2,3-Epoxyheptanal	58936-30-4	2148	Evaluation pending - additional data required	4658	GRAS List 24		
2,3-Epoxydecanal	102369-06-2	2149	Evaluation pending - additional data required	4659	GRAS List 24		
1-Ethyl-2-pyrrolicarboxaldehyde	2167-14-8	2150	Evaluation pending - additional data required	4317	GRAS List 23		No longer supported for evaluation
2,4-Dimethylpyridine	108-47-4	2151	Evaluated - No safety concern	4389	GRAS List 23	14.104	Evaluated - No safety concern
1-Methyl-1H-pyrrole-2-carboxaldehyde	1192-58-1	2152	Evaluation pending - additional data required	4332	GRAS List 23		No longer supported for evaluation
2-Acetyl-4-isopropenylpyridine	142896-11-5	2153	Evaluated - No safety concern	4636	GRAS List 24		
4-Acetyl-2-isopropenylpyridine	142896-12-6	2154	Evaluated - No safety concern	4637	GRAS List 24		
2-Acetyl-4-isopropylpyridine	142896-09-1	2155	Evaluated - No safety concern	4638	GRAS List 24		
2-Methoxypyridine	1628-89-3	2156	Evaluation pending - additional data required	4639	GRAS List 24		
6-Methoxyquinoline	5263-87-6	2157	Evaluated - No safety concern	4640	GRAS List 24		
1-(2-Hydroxyphenyl)-3-(pyridin-4-yl)propan-1-one	1186004-10-3	2158	Evaluation pending - additional data required	4721	GRAS List 25		
1-(2-Hydroxy-4-isobutoxyphenyl)-3-(pyridin-2-yl)propan-1-one	1190230-47-7	2159	Evaluation pending - additional data required	4722	GRAS List 25		
1-(2-Hydroxy-4-methoxyphenyl)-3-(pyridin-2-yl)propan-1-one	1190229-37-8	2160	Evaluation pending - additional data required	4723	GRAS List 25		
3-(1-((3,5-Dimethylisoxazol-4-yl)methyl)-1H-pyrazol-4-yl)-1-(3-hydroxybenzyl)-imidazolidine-2,4-dione	1119831-25-2	2161	Evaluated - No safety concern	4725	GRAS List 25	16.127	Evaluated - No safety concern
3-(1-((3,5-Dimethylisoxazol-4-yl)methyl)-1H-pyrazol-4-yl)-1-(3-hydroxybenzyl)-5,5-dimethylimidazolidine-2,4-dione	1217341-48-4	2162	Evaluated - No safety concern	4726	GRAS List 25		
trans-2-Nonenyl acetate	30418-89-4	2163	Evaluated - No safety concern	4552	GRAS List 24	09.948	Evaluated - No safety concern
Propyl sorbate	10297-72-0	2164	Evaluated - No safety concern	4614	GRAS List 24		
cis-2-Octenol	26001-58-1	2165	Evaluated - No safety concern	4615	GRAS List 24		
trans-2-Tridecenol	74962-98-4	2166	Evaluated - No safety concern	4617	GRAS List 24		
Ethyl 2-hexenoate (mixture of isomers)	1552-67-6	2167	Evaluated - No safety concern	4613	GRAS List 24		
3',7-Dihydroxy-4'-methoxyflavan	76426-35-2; 162290-05-3	2170	Evaluated - No safety concern	4708	GRAS List 25		
Trilobatin	4192-90-9	2171	Evaluated - No safety concern	4674	GRAS List 25	16.112	Evaluated - No safety concern
(+/-)-Eriodictyol	4049-38-1; 552-58-9; 116301-03-2	2172	Evaluated - No safety concern	4715	GRAS List 25		
3-Methylhexanal	19269-28-4	2173	Evaluated - No safety concern	4261	GRAS List 23	05.219	Evaluated - No safety concern
6-Methylheptanal	63885-09-6	2174	Evaluated - No safety concern	4498	GRAS List 24	05.225	Evaluated - No safety concern

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6-Methyloctanal	30689-75-9	2175	Evaluated - No safety concern	4433	GRAS List 24	05.211	Evaluated - No safety concern
3,7-Dimethyloctanal	5988-91-0	2176	Evaluated - No safety concern	4348	GRAS List 23		
cis-3-Nonen-1-ol	10340-23-5	2177	Evaluated - No safety concern	4412	GRAS List 23 (24)	02.234	Evaluated - No safety concern
trans-3-Nonen-1-ol	10339-61-4	2178	Evaluated - No safety concern	4605	GRAS List 24		
cis,cis-3,6-Nonadienyl acetate	83334-93-4	2179	Evaluated - No safety concern	4551	GRAS List 24		
trans-3-Hexenyl acetate	3681-82-1	2180	Evaluated - No safety concern	4413	GRAS List 23	09.928	Evaluated - No safety concern
cis-3-Hexenoic acid	1775-43-5	2181	Evaluated - No safety concern	4493	GRAS List 24		
cis-3-Nonenyl acetate	13049-88-2	2182	Evaluated - No safety concern	4553	GRAS List 24	09.672	Evaluated - No safety concern
cis-6-Nonenyl acetate	76238-22-7	2183	Evaluated - No safety concern	4554	GRAS List 24	09.673	Evaluated - No safety concern
Z-5-Octenyl acetate	71978-00-2	2184	Evaluated - No safety concern	4671	GRAS List 25	09.950	Evaluated - No safety concern
(E)-4-Undecenal	68820-35-9	2185	Evaluated - No safety concern	4672	GRAS List 25	05.226	Evaluated - No safety concern
beta-Isomethylionone	79-89-0	2186	Evaluated - No safety concern	4151	GRAS List 22	07.041	Evaluated - No safety concern
Pseudoionone	141-10-6	2187	Evaluated - No safety concern	4299	GRAS List 23	07.198	Evaluated - No safety concern
trans-alpha-Damascone	24720-09-0	2188	Evaluation pending - additional data required	4088	GRAS List 22		No longer supported for evaluation
Cassyrane	871465-49-5	2189	Evaluated - No safety concern	4731	GRAS List 26		
1-Cyclopropanemethyl-4-methoxybenzene	16510-27-3	2190	Evaluated - No safety concern	4759	GRAS List 26		
1-Octene	111-66-0	2191	Evaluated - No safety concern	4293	GRAS List 23	01.070	Evaluated - No safety concern
2,4-Nonadiene	56700-78-8	2192	Evaluated - No safety concern	4292	GRAS List 23		No longer supported for evaluation
4-Methyl-cis-2-pentene	691-38-3	2194	Evaluated - No safety concern	4650	GRAS List 24		
1-Nonene	124-11-8	2195	Evaluated - No safety concern	4651	GRAS List 24		
1,3,5,7-Undecatetraene	116963-97-4	2196	Evaluated - No safety concern	4652	GRAS List 24		
Mixture of methyl cyclohexadiene and methylene cyclohexene	1888-90-0; 30640-46-1	2197	Evaluated - No safety concern	4311	GRAS List 23		
2,2,6,7-Tetramethylbicyclo[4.3.0]nona-4,9(1)-dien-8-ol	97866-86-9	2198	Evaluated - No safety concern	4521	GRAS List 24		
dl-Camphor	76-22-2	2199	Evaluated - No safety concern	4513	GRAS List 24		No longer supported for evaluation
l-fenchone	7787-20-4	2200	Evaluated - No safety concern	4519	GRAS List 24		
2,2,6,7-Tetramethylbicyclo[4.3.0]nona-4,9(1)-dien-8-one	97844-16-1	2201	Evaluated - No safety concern	4522	GRAS List 24		
Ethyl 3-(2-hydroxyphenyl)propanoate	20921-04-4	2202	Evaluated - No safety concern	4758	GRAS List 26		
3-[3-(2-Isopropyl-5-methylcyclohexyl)-ureido]-butyric acid ethyl ester	1160112-20-8	2203	Evaluated - No safety concern	4766	GRAS List 26		
4-Amino-5-(3-(isopropylamino)-2,2-dimethyl-3-oxopropoxy)-2-methylquinoline-3-carboxylic acid (and its hemisulfate monohydrate salt)	1359963-68-0; 1460210-04-1	2204	Evaluated - No safety concern	4774	GRAS List 26 (28)	16.130	Evaluated - No safety concern
Triethylthialdine	54717-17-8	2205	Evaluated - No safety concern	4748	GRAS List 26	15.054	Evaluated - No safety concern
2-Isopropyl-4-methyl-3-thiazoline	67936-13-4	2206	Evaluated - No safety concern	4767	GRAS List 26		
Myricitrin	17912-87-7	2207	Evaluated - No safety concern	4491	GRAS List 24		
Naringin dihydrochalcone	18916-17-1	2208	Evaluated - No safety concern	4495	GRAS List 24 (26)	16.110	Evaluated - No safety concern
1-(2,4-Dihydroxyphenyl)-3-(3-hydroxy-4-methoxyphenyl)propan-1-one	50297-39-7	2209	Evaluated - No safety concern	4764	GRAS List 26		
(-)-Matairesinol	580-72-3	2210	Evaluated - No safety concern	4762	GRAS List 26		
Ethyl alpha-acetylcinnamate	620-80-4	2211	Evaluated - No safety concern	4597	GRAS List 24		
3-(3,4-Methylenedioxyphenyl)-2-methylpropanal	1205-17-0	2212	Evaluation pending - additional data required	4599	GRAS List 24		
Ethyl 2-hydroxy-3-phenylpropionate	15399-05-0	2213	Evaluated - No safety concern	4598	GRAS List 24		
Cinnamaldehyde propyleneglycol acetal	4353-01-9	2214	Evaluated - No safety concern	4596	GRAS List 24		
2-Phenylpropanal propyleneglycol acetal	67634-23-5	2215	Evaluated - No safety concern	4595	GRAS List 24		
9-Decen-2-one	35194-30-0	2216	Evaluated - No safety concern	4706	GRAS List 25	07.262	Evaluated - No safety concern
Yuzunone	1009814-14-5	2217	Evaluated - No safety concern	4691	GRAS List 25		
1,5-Octadien-3-ol	83861-74-9	2218	Evaluated - No safety concern	4732	GRAS List 26	02.194	Evaluated - No safety concern
3,5-Undecadien-2-one	68973-20-6	2219	Evaluated - No safety concern	4746	GRAS List 26		

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3-Methyl-5-(2,2,3-trimethylcyclopent-3-en-1-yl)pent-4-en-2-ol	67801-20-1	2220	Evaluated - No safety concern	4775	GRAS List 26		
(+/-)-1-Cyclohexylethanol	1193-81-3	2221	Evaluated - No safety concern	4794	GRAS List 27		
2-(2-Hydroxy-4-methyl-3-cyclohexenyl)propionic acid gamma-lactone	57743-63-2	2223	Evaluated - No safety concern	4140	GRAS List 22	10.057	Evaluation pending
2-(2-Hydroxyphenyl)-cyclopropanecarboxylic acid delta-lactone	5617-64-1	2224	Evaluated - No safety concern	4270	GRAS List 23		
N1-(2,3-dimethoxybenzyl)-N2-(2-(pyridin-2-yl)ethyl)oxalamide	851670-40-1	2225	Evaluated - No safety concern	4741	GRAS List 26		
(R)-N-(1-Methoxy-4-methylpentan-2-yl)-3,4-dimethylbenzamide	851669-60-8	2226	Evaluated - No safety concern	4751	GRAS List 26		
(E)-N-[2-(1,3-Benzodioxol-5-yl)ethyl]-3-(3,4-dimethoxyphenyl)prop-2-enamide	125187-30-6	2227	Evaluated - No safety concern	4773	GRAS List 26		
(E)-3-Benzo[1,3]dioxol-5-yl-N,N-diphenyl-2-propenamide	1309389-73-8	2228	Evaluated - No safety concern	4788	GRAS List 27 (29)		Evaluated - No safety concern
N-Ethyl-5-methyl-2-(methylethenyl)cyclohexane carboxamide	1582789-90-9	2229	Evaluation pending - additional data required	4808	GRAS List 27		
2,5-Dimethylfuran-3(2H)-one	14400-67-0	2230	Evaluated - No safety concern	4101	GRAS List 22	13.119	Evaluated - No safety concern
2,5-Dimethyl-4-ethoxy-3(2H)-furanone	65330-49-6	2231	Evaluated - No safety concern	4104	GRAS List 22	13.117	Evaluated - No safety concern
5-Methyl-3(2H)-furanone	3511-32-8	2232	Evaluated - No safety concern	4176	GRAS List 22		No longer supported for evaluation
Ethyl 2,5-dimethyl-3-oxo-4(2H)-furyl carbonate	39156-54-2	2233	Evaluated - No safety concern	4546	GRAS List 24		
4-Acetyl-2,5-dimethylfuran-3(2H)-one	36871-78-0	2234	Evaluation pending - additional data required	4070	GRAS List 22		No longer supported for evaluation
2-(((3-(2,3-Dimethoxyphenyl)-1H-1,2,4-triazol-5-yl)thio)methyl)pyridine	902136-79-2	2235	Evaluated - No safety concern	4798	GRAS List 27		
(S)-1-(3-(((4-amino-2,2-dioxido-1H-benzo[c][1,2,6]thiadiazin-5-yl)oxy)methyl)piperidin-1-yl)-3-methylbutan-1-one	1469426-64-9	2236	Evaluated - No safety concern	4802	GRAS List 27 (28)		
2-(4-Methylphenoxy)-N-(1H-pyrazol-3-yl)-N-(thiophen-2-ylmethyl)acetamide	1374760-95-8	2237	Evaluated - No safety concern	4809	GRAS List 27 (28)	16.133	Evaluated - No safety concern
(+/-)-8-Methyldecanal	127793-88-8	2238	Evaluated - No safety concern	4795	GRAS List 27		
8-Methylnonanal	3085-26-5	2239	Evaluated - No safety concern	4803	GRAS List 27		
trans-6-Octenal	63196-63-4	2240	Evaluated - No safety concern	4787	GRAS List 27		
2,6-Dimethyl-5-heptenal	4234-93-9	2241	Evaluated - No safety concern	4789	GRAS List 27		
Pinocarvyl isobutyrate	929116-08-5	2242	Evaluated - No safety concern	4525	GRAS List 24		
Carvyl palmitate	929222-96-8	2243	Evaluated - No safety concern	4515	GRAS List 24		
6-Hydroxycarvone	51200-86-3	2244	Evaluated - No safety concern	4523	GRAS List 24		
Menthyl formate	2230-90-2	2246	Evaluated - No safety concern	4509	GRAS List 24	09.618	Evaluated - No safety concern
Menthyl propionate	86014-82-6	2247	Evaluated - No safety concern	4510	GRAS List 24		
l-Menthyl butyrate	68366-64-3	2248	Evaluated - No safety concern	4524	GRAS List 24		
DL-Isomenthol	3623-52-7	2249	Evaluated - No safety concern	4729	GRAS List 26		
Dimethyl glutarate	406179-71-3	2250	Evaluated - No safety concern	4604	GRAS List 24	09.935	Evaluated - No safety concern
(+/-)-2-[(2-p-Menthoxy)ethoxy]ethanol	28804-53-7	2251	Evaluated - No safety concern	4718	GRAS List 25		
Ethyl maltol isobutyrate	852997-28-5	2252	Evaluated - No safety concern	4534	GRAS List 24		
Mixture of 1-Vinyl-3-cyclohexenecarbaldehyde and 4-Vinyl-1-cyclohexenecarbaldehyde	1049017-63-1; 1049017-68-6	2253	Evaluated - No safety concern	4783	GRAS List 27		
(1-Methyl-2-(1,2,2-trimethylbicyclo[3.1.0] hex-3-ylmethyl)cyclopropyl) methanol	198404-98-7	2254	Evaluated - No safety concern	4776	GRAS List 26		
(+/-)-Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, ethyl ester	10138-32-6	2255	Evaluated - No safety concern	4790	GRAS List 27		
(-)-Homoeriodictyol sodium salt	462631-45-4	2256	Evaluated - No safety concern	4228	GRAS List 22	16.083	Evaluated - No safety concern
(+/-)-Naringenin	480-41-1; 67604-48-2; 17654-19-2	2257	Evaluated - No safety concern	4797	GRAS List 27		
(2R)-3',5-Dihydroxy-4'-methoxyflavanone	1449417-52-0	2258	Evaluated - No safety concern	4799	GRAS List 27		
7,8-Dihydroxyflavone	38183-03-8	2259	Evaluated - No safety concern	4830	GRAS List 28		
(2S)-3',7-Dihydroxy-8-methyl-4'-methoxyflavan	87733-81-1	2260	Evaluation pending	4833	GRAS List 28		
(R)-5-hydroxy-4-(4'-hydroxy-3'-methoxyphenyl)-7-methylchroman-2-one	1793064-68-2	2261	Evaluated - No safety concern	4834	GRAS List 28		
3-(3-Hydroxy-4-methoxyphenyl)-1-(2,4,6-trihydroxyphenyl) propan-1-one	35400-60-3	2262	Evaluated - No safety concern	4872	GRAS List 28		
trans-4-tert-Butylcyclohexanol	21862-63-5	2263	Evaluated - No safety concern	4724	GRAS List 25		

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Caryophylla-3(4),8-dien-5-ol	38284-26-3; 34298-31-2	2264	Evaluated - No safety concern	4780	GRAS List 27		
Betaine	107-43-7	2265	Evaluated - No safety concern	4223	GRAS List 22		
Glutamyl-2-aminobutyric acid	16869-42-4	2266	Evaluated - No safety concern	4738	GRAS List 26		
Glutamy-norvalyl-glycine	38837-71-7	2267	Evaluated - No safety concern	4739	GRAS List 26		
Glutamyl-norvaline	71133-09-0	2268	Evaluated - No safety concern	4740	GRAS List 26		
N-Acetyl glutamate	1188-37-0	2269	Evaluated - No safety concern	4752	GRAS List 26		
L-Cysteine methyl ester hydrochloride	18598-63-5	2270	Evaluated - No safety concern	4781	GRAS List 27		
diammonium sulfide	12135-76-1			2053	GRAS List 3	16.002	Evaluated - No safety concern
Ammonium hydrogen sulphide	12124-99-1		rejected	2053	GRAS List 3	16.059	Evaluated - No safety concern
Caffeine	58-08-2			2224	GRAS List 3 (29)	16.016	Evaluated - No safety concern
Glucose pentaacetate	3891-59-6; 604-69-3; 604-68-2			2524	GRAS List 3	09.258	Evaluated - No safety concern
Glycyrrhizic acid, ammoniated	53956-04-0			2528	GRAS List 3	16.060	Evaluated - No safety concern
Phenethyl benzoate	94-47-3			2860	GRAS List 3 (25)	09.774	Evaluated - No safety concern
Propyl 4-hydroxybenzoate	94-13-3			2951	GRAS List 3		No longer supported for evaluation
Pyridine	110-86-1			2966	GRAS List 3		No longer supported for evaluation
Quinine bisulfate	549-56-4			2975	GRAS List 3		
Quinine hydrochloride	130-89-2			2976	GRAS List 3	14.011	Evaluated - No safety concern
Quinine monohydrochloride dihydrate	6119-47-7			2976	GRAS List 3	14.155	Evaluated - No safety concern
Quinine sulfate	6119-70-6; 804-63-7			2977	GRAS List 3	14.152	Evaluated - No safety concern
Sucrose octaacetate	126-14-7			3038	GRAS List 3	16.081	Evaluated - No safety concern
Tannic acid	1401-55-4; 72401-53-7			3042	GRAS List 3	16.080	No need for evaluation
L-Cysteine hydrochloride	52-89-1			3263	GRAS List 5	17.032	Evaluated - No safety concern
Disodium succinate	150-90-3			3277	GRAS List 5	08.113	Evaluated - No safety concern
Capsaicin	404-86-4			3404	GRAS List 7		No longer supported for evaluation
Theobromine	83-67-0			3591	GRAS List 11	16.032	Evaluated - No safety concern
d-Xylose	58-86-6			3606	GRAS List 12		
Thaumatococin	53850-34-3			3732	GRAS List 13 (28)		
Hydrogen sulfide	7783-06-4		rejected	3779	GRAS List 16	16.007	No need for evaluation
Neohesperidin dihydrochalcone	20702-77-6			3811	GRAS List 17 (28)	16.061	Evaluated - No safety concern
Thaumatococin B-recombinant	53850-34-3			3814	GRAS List 17 (28)		
Sodium diacetate	126-96-5			3900	GRAS List 18 (29)	16.073	Evaluated - No safety concern
Paraldehyde	123-63-7			4010	GRAS List 20	05.053	No need for evaluation
Allyl crotonate	20474-93-5			4072	GRAS List 22	09.247	Evaluated - No safety concern
Allyl pentanoate	6321-45-5			4074	GRAS List 22	09.866	Evaluated - No safety concern
Diacetyl tartaric acid esters of mono- and diglycerides	100085-39-0; 308068-42-0			4092	GRAS List 22		
Glycerol-lactate esters of fatty acids	98084-79-8		rejected	4124	GRAS List 22		
Lactylated fatty acid esters of glycerol and propylene glycol	444004-59-5; 444004-60-8			4153	GRAS List 22		
Mono- and diglycerides of fatty acids	67701-32-0; 68990-53-4; 67701-33-1			4186	GRAS List 22		

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(+/-) 2-Phenyl-4-methyl-2-hexenal	26643-92-5		Evaluation pending - additional data required	4194	GRAS List 22	05.222	Evaluation pending
Phthalide	87-41-2			4195	GRAS List 22	10.056	Evaluated - No safety concern
Polyglycerol esters of fatty acids	79665-93-3			4201	GRAS List 22 (28)		
Propylene glycol mono- and diesters of fatty acids	1323-39-3		rejected	4208	GRAS List 22		
alpha-Ionene	475-03-6		Evaluation pending - additional data required	4264	GRAS List 23		No longer supported for evaluation
Citric acid ester of mono-and di-glycerides of fatty acids	97593-31-2			4307	GRAS List 23		
2-Phenethyl decanoate	61810-55-7			4314	GRAS List 23	09.685	Evaluated - No safety concern
Pentadecanoic acid	1002-84-2			4334	GRAS List 23		
Tridecanal	10486-19-8			4335	GRAS List 23		No longer supported for evaluation
Tridecanoic acid	638-53-9			4336	GRAS List 23		
Ethyl 4-methylpentanoate	25415-67-2			4343	GRAS List 23		
Ethyl 2-ethylbutyrate	2983-38-2			4344	GRAS List 23		
Ethyl 2-ethylhexanoate	2983-37-1			4345	GRAS List 23		
5-Methylhexyl acetate	180348-60-1; 72246-17-4			4346	GRAS List 23		
4-Methylpentyl isovalerate	850309-45-4			4347	GRAS List 23		
3,4-Dihydroxybenzoic acid	99-50-3			4430	GRAS List 24	08.133	Evaluated - No safety concern
3-Hydroxybenzoic acid	99-06-9			4431	GRAS List 24	08.132	Evaluated - No safety concern
(+/-)-Acetaldehyde ethyl isopropyl acetal	25334-93-4			4432	GRAS List 24	06.137	Evaluated - No safety concern
2-Hydroxy-4-methoxybenzaldehyde	673-22-3			4435	GRAS List 24		Evaluated - No safety concern
Sodium lauryl sulfate	151-21-3			4437	GRAS List 24		
5-methylfuran-2(5H)-one	591-11-7			4438	GRAS List 24		
Citral glyceryl acetal	5694-82-6			4486	GRAS List 24		
Ammonia	7664-41-7			4494	GRAS List 24 (29)	16.009	Evaluated - No safety concern
Ammonium chloride	12125-02-9			4494	GRAS List 24 (29)	16.048	Evaluated - No safety concern
1,1-Di-isobutoxyethane	5669-09-0			4527	GRAS List 24	06.053	Evaluated - No safety concern
1-Isobutoxy-1-ethoxyethane	6986-51-2			4528	GRAS List 24	06.091	Evaluated - No safety concern
Trehalose, dihydrate	6138-23-4			4600	GRAS List 24		
Rebaudioside A	58543-16-1		Food additive: safe for use in food	4601	GRAS List 24 (30)	16.113	Evaluated - No safety concern
4-Formyl-2-methoxyphenyl 2-hydroxypropanoate	930587-76-1			4606	GRAS List 24		
2-Ethyl-2-hexenal	645-62-5; 26266-68-2			4612	GRAS List 24		
2-Hexylidenehexanal	13019-16-4			4616	GRAS List 24		
2-Phenoxyethyl propionate	23495-12-7			4618	GRAS List 24		
Propyl 4-tert-butylphenylacetate	92729-55-0			4619	GRAS List 24		
2-Phenoxyethanol	122-99-6			4620	GRAS List 24		
Piperonal propyleneglycol acetal	61683-99-6			4622	GRAS List 24		
(2,2-Diethoxyethyl)benzene	6314-97-2			4625	GRAS List 24		
Anisaldehyde propyleneglycol acetal	6414-32-0			4627	GRAS List 24		
2-benzyl-4-methyl-1,3-dioxolane	5468-05-3			4629	GRAS List 24		
Hexadecano-1,5-lactone	7370-44-7			4673	GRAS List 25	10.049	Evaluated - No safety concern
Octahydro-4,8a-dimethyl-4a(2H)-naphthol	23333-91-7			4682	GRAS List 25		
Tridecano-1,5-lactone	7370-92-5			4685	GRAS List 25	10.058	Evaluated - No safety concern
(+/-)-3-Hydroxy-3-methyl-2,4-nonanedione	544409-58-7			4687	GRAS List 25		
1,1-Dipropoxyethane	105-82-8			4688	GRAS List 25	06.034	No need for evaluation
Ferrous lactate	5905-52-2; 85993-25-5			4699	GRAS List 25	16.096	Evaluated - No safety concern

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o-trans-Coumaric acid	614-60-8			4700	GRAS List 25		
Sucrose monopalmitate	26446-38-8			4713	GRAS List 25		
Advantame	714229-20-6		Not evaluated	4716	GRAS List 25 (29)		
Succinic acid	110-15-6			4719	GRAS List 25	08.024	No need for evaluation
Rebaudioside C	63550-99-2		Food additive: safe for use in food	4720	GRAS List 25 (26)		
O-Ethyl S-1-methoxyhexan-3-yl carbonothioate	1241905-19-0			4730	GRAS List 26		
2-Mercapto-4-heptanol	1006684-20-3			4733	GRAS List 26	12.305	Evaluated - No safety concern
3-(Methylthio)-decanal	1256932-15-6			4734	GRAS List 26	12.306	Evaluated - No safety concern
(Z,Z)-4,7-Tridecadienal	13552-95-9			4735	GRAS List 26		
1-(2-Hydroxy-4-methylcyclohexyl) ethanone	917750-72-2			4742	GRAS List 26		
6-Methoxy-2,6-dimethylheptanal	62439-41-2			4745	GRAS List 26		
(+/-)-2,5-Undecadienol	91212-78-1			4747	GRAS List 26		
4-Methylpentyl-4-methylvalerate	35852-42-7			4749	GRAS List 26		
(Z)-Hex-3-enyl salicylate	65405-77-8			4750	GRAS List 26	09.570	Evaluated - No safety concern
1,3-Propanediol	504-63-2			4753	GRAS List 26		
S-Prenyl thioisobutyrate	53626-94-1			4760	GRAS List 26	12.196	Evaluated - No safety concern
Prenyl thioisovalerate	75631-91-3			4761	GRAS List 26	12.221	Evaluated - No safety concern
Stevioside	57817-89-7			4763	GRAS List 26		
Ethyl 5-formyloxy decanoate	1367348-37-5			4765	GRAS List 26		
2,6,10-Trimethyl-9-undecenal	141-13-9			4768	GRAS List 26		
5-Mercapto-5-methyl-3-hexanone	851768-51-9			4769	GRAS List 26		
(+/-)-2-Mercapto-5-methylheptan-4-one	1416051-88-1			4779	GRAS List 27		
2(3)-Hexanethiol	1679-06-7; 1633-90-5			4782	GRAS List 27		
(+/-)-4-Hydroxy-6-methyl-2-heptanone	57548-36-4			4784	GRAS List 27		
2-Octyl-2-dodecenal	25234-33-7			4785	GRAS List 27		
2-Hexyl-2-decenal	13893-39-5			4786	GRAS List 27		
3-(Acetylthio)hexanal	22236-44-8			4791	GRAS List 27		
(+/-)-3-Mercapto-1-pentanol	548740-99-4			4792	GRAS List 27		
(3R,3S)-3-[[[(4-Amino-2,2-dioxido-1H-2,1,3-benzothiazin-5-yl)oxy]methyl]-N-cyclopentyl-2-oxo-3-piperidinecarboxamide	1446687-20-2			4793	GRAS List 27		
Mixture of Ricinoleic acid, Linoleic acid, and Oleic acid	61789-44-4			4804	GRAS List 27		
Pinocarvyl acetate	1078-95-1			4807	GRAS List 27		
Ethyl-2-(4-hydroxy-3-methoxyphenyl)acetate	60563-13-5			4810	GRAS List 27		
2-(5-Isopropyl-2-methyltetrahydrothiophen-2-yl)ethanol	1612888-42-2			4813	GRAS List 27		
S-[(Methylthio)methyl]thioacetate	38634-59-2			4817	GRAS List 28		
trans-1-Ethyl-2-methylpropyl 2-butenolate	1370711-06-0			4818	GRAS List 28		
Erythritol	149-32-6			4819	GRAS List 28 (30)		
gamma-Aminobutyric acid: Linoleic acid conjugates	1444005-46-2			4821	GRAS List 28		
2,6-Dipropyl-5,6-dihydro-2H-thiopyran-3-carboxaldehyde	61407-00-9			4822	GRAS List 28		
Allyl 1-propenyl disulfide	33368-82-0			4823	GRAS List 28	12.098	Evaluated - No safety concern
2-(5-Isopropyl-2-methyl-tetrahydrothiophen-2-yl)-ethyl acetate	1658479-63-0			4824	GRAS List 28		
(E)-6-Nonenal	2277-20-5			4825	GRAS List 28		
3-Phenylpropyl 2-(4-hydroxy-3-methoxyphenyl)acetate	105025-99-8			4826	GRAS List 28		
1-(4-Methyl-3-cyclohexen-1-yl)-ethanone	6090-09-1			4827	GRAS List 28		
1,1-Propanedithioacetate	729602-98-6			4828	GRAS List 28		
2-Pyrrolidone	616-45-5			4829	GRAS List 28		
2-(3-Benzyloxypropyl)pyridine	108715-62-4			4832	GRAS List 28		
2,4-Dihydroxy-N-[(4-hydroxy-3-methoxyphenyl)methyl] benzamide	877207-36-8			4835	GRAS List 28		
10% solution of 3,4-dimethyl-2,3-dihydrothiophene-2-thiol	137363-86-1			4836	GRAS List 28		

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Mixture of 3- and 4-butyl-2-thiophenecarboxyaldehyde	163460-99-9; 163461-01-6			4839	GRAS List 28		
(+/-)-Tetrahydronootkatone	38427-80-4			4840	GRAS List 28		
cis-5-Dodecenyl acetate	16676-96-3			4841	GRAS List 28		
1-(Methylthiomethyl)-2-propylsulfane	911212-28-7			4842	GRAS List 28		
3-(Allyldithio)butan-2-one	1838169-65-5			4843	GRAS List 28		
(2E,4E)-2,4-Decadien-1-ol acetate	118026-67-8			4844	GRAS List 28		
(3S,5R,8S)-3,8-Dimethyl-5-prop-1-en-2-yl-3,4,5,6,7,8-hexahydro-2H-azulen-1-one	18374-76-0			4867	GRAS List 28		
4-(4-Methyl-3-penten-1-yl)-2(5H)-furanone	61315-75-1			4868	GRAS List 28		
4-(l-Menthoxy)-2-butanone	886449-15-6			4869	GRAS List 28		
2-Ethyl-4-methyl-1,3-dithiolane	17564-27-1			4870	GRAS List 28		
2-Phenoxyethyl 2-(4-hydroxy-3-methoxyphenyl)acetate	1962956-83-7			4871	GRAS List 28		
(E)-3-(3,4-Dimethoxyphenyl)-N-[2-(4-methoxyphenyl)-ethyl]-acrylamide	76733-95-4			4877	GRAS List 28 (29)		
1-(3,5,5,6,8,8-Hexamethyl-5,6,7,8-tetrahydronaphthalen-2-yl)ethanone	21145-77-7			4879	GRAS List 29		
2-(4-Ethylphenoxy)-N-(1H-pyrazol-3-yl)-N-(thiophen-2-ylmethyl)acetamide	2015168-50-8			4880	GRAS List 29		
N-(3-Hydroxy-4-methoxyphenyl)-2-isopropyl-5,5-dimethylcyclohexanecarboxamide	1857331-84-0			4881	GRAS List 29		
N-(4-(Cyanomethyl)phenyl)-2-isopropyl-5,5-dimethylcyclohexanecarboxamide	1857331-83-9			4882	GRAS List 29		
S-Allyl-L-cysteine sulfoxide	556-27-4			4883	GRAS List 29		
6-Methyl-5-hepten-2-ol	1569-60-4			4884	GRAS List 29	02.124	Evaluated - No safety concern
trans-5-Dodecenal	68820-34-8			4885	GRAS List 29		
cis-6-Dodecenal	126745-61-7			4886	GRAS List 29		
cis-9-Dodecenal	56219-03-5			4887	GRAS List 29		
Mixture of 5-hydroxy-4-(4'-hydroxy-3'-methoxyphenyl)-7-methylchroman-2-one and 7-hydroxy-4-(4'-hydroxy-3'-methoxyphenyl)-5-methylchroman-2-one	1945993-01-0; 828265-08-3			4888	GRAS List 29		
Methyl propyl sulfide	3877-15-4			4889	GRAS List 29	12.166	Evaluated - No safety concern
3-p-Menthen-7-al	27841-22-1			4890	GRAS List 29		
(E)-3-Methyl-4-dodecenoic acid	2088117-65-9			4891	GRAS List 29		
cis-2-Hexylcyclopropaneacetic acid	4707-61-3			4892	GRAS List 29		
2-Ethoxy-4-(hydroxymethyl)phenol	4912-58-7			4893	GRAS List 29		
2-Mercapto-3-methyl-1-butanol	116229-37-9			4894	GRAS List 29		
N-(2-Hydroxy-2-phenylethyl)-2-isopropyl-5,5-dimethylcyclohexane-1-carboxamide	2186611-08-3			4896	GRAS List 29		
Allulose	551-68-8			4897	GRAS List 29		
trans-5-Octenal	41547-29-9			4898	GRAS List 29		
N-(1-((4-amino-2,2-dioxido-1H-benzo[c][1,2,6]thiadiazin-5-yl)oxy)-2-methylpropan-2-yl)-2,6-dimethylisonicotinamide	1622458-34-7; 2079034-28-7			4899	GRAS List 29		
Hexyl propyl disulfide	64580-54-7			4900	GRAS List 29		
O-Ethyl S-(3-methylbut-2-en-1-yl)thiocarbonate	2097608-89-2			4901	GRAS List 29		
3-Methyl-2(5H)-furanone	22122-36-7			4902	GRAS List 29		
Ethyl 3-methyl-2-oxopentanoate	26516-27-8			4903	GRAS List 29		
trans-Tetradec-4-enal	115018-39-8			4904	GRAS List 29		
2,6-Dimethylheptenyl formate	2119671-25-7			4905	GRAS List 29		
L-Carnitine tartrate	36687-82-8			4906	GRAS List 29		
3,7-Dimethyl-2-methyleneoct-6-en-1-ol	18478-46-1			4913	GRAS List 29		
3-methyl-1-[[3-methylbut-2-en-1-yl]disulfanyl]but-2-ene	24963-39-1			4914	GRAS List 29		
(5Z)-3,4-Dimethyl-5-propylidene-2(5H)-furanone	2142634-65-7			4915	GRAS List 29		
2-Methyl-3-butene-2-thiol	124831-34-1			4916	GRAS List 29		
(Z)-9-Dodecenoic acid	22032-47-9			4917	GRAS List 29		
Tridec-5-enal	68820-38-2			4918	GRAS List 29		

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1-Ethyl-2-(1-pyrrolylmethyl)pyrrole	2204262-51-9			4920	GRAS List 29		
Rebaudioside D, 95%	63279-13-0		Food additive: safe for use in food	4921	GRAS List 29		
Rebaudioside M, 95%	1220616-44-3		Food additive: safe for use in food	4922	GRAS List 29		
(Z)-8-Pentadecenal	65398-36-9			4926	GRAS List 29		
4,7-Decadienal	934534-30-2			4927	GRAS List 29		
2-Methylthiophene	554-14-3			4928	GRAS List 29		No longer supported for evaluation
4-Methylidene-2-(2-methylprop-1-enyl)oxane	60857-05-8			4929	GRAS List 29		
4-Isopropoxycinnamaldehyde	159017-89-7			4930	GRAS List 29		
Sodium Gluconate	527-07-1			4934	GRAS List 29 (30)		
3-Methylbutane-1,3-dithiol	98139-71-0			4935	GRAS List 29		
Rebaudioside E >85%	63279-14-1		Food additive: safe for use in food	4936	GRAS List 29		
Rebaudioside I 95%	1220616-34-1		Food additive: safe for use in food	4937	GRAS List 29		
S-Methyl 5-(1-ethoxyethoxy)tetradecanethioate	2180135-08-2			4938	GRAS List 29		
S-Methyl 5-(1-ethoxyethoxy)decanethioate	2180135-09-3			4939	GRAS List 29		
beta-Bisabolene	495-61-4			4940	GRAS List 29	01.028	Evaluated - No safety concern
Decanedioic acid	111-20-6			4943	GRAS List 30		
trans-2-Dodecenedioic acid	6402-36-4			4944	GRAS List 30		
cis-8-Decenal	174155-46-5			4945	GRAS List 30		
2-Amino-2-deoxy-poly-D-glucosamine	9012-76-4			4946	GRAS List 30		
2-Hexylpyridine	1129-69-7			4948	GRAS List 30	14.117	Evaluated - No safety concern
Rebaudioside M 85%	1220616-44-3		Food additive: safe for use in food	4957	GRAS List 30		
4-Formyl-2-methoxyphenyl l-menthyl glutarate	2308574-23-2			4958	GRAS List 30		
9-Dodecen-12-olide	301310-73-6			4959	GRAS List 30		
trans-alpha-Bergamotene	13474-59-4			4960	GRAS List 30		
4-Methyltrideca-2E,4-dienal	2369713-22-2			4961	GRAS List 30		
N-(1-((4-Amino-2,2-dioxido-1H-benzo[c][1,2,6]thiadiazin-5-yl)oxy)-2-methylpropan-2-yl)isonicotinamide	1622458-32-5			4965	GRAS List 30		
4-Methylheptan-3-one	6137-11-7			4966	GRAS List 30		
delta-Cadinene	483-76-1			4967	GRAS List 30		
Stevia rebaudiana extract with Rebaudioside M >90%				4968	GRAS List 30		
2-Methyl-1-(2-(5-(p-tolyl)-1H-imidazol-2-yl)piperidin-1-yl)butan-1-one	2413115-68-9			4970	GRAS List 30		
Diethyl mercaptosuccinate	23060-14-2			4972	GRAS List 30		
3-Mercapto-3-methyl-1-pentyl acetate	2411762-60-0			4973	GRAS List 30		
Germacrene D >85%	23986-74-5			4974	GRAS List 30		No longer supported for evaluation
10-Hydroxy-4,8-dimethyldec-4-enal	65210-18-6			4977	GRAS List 30		
Rebaudioside B 95%	58543-17-2			4978	GRAS List 30		
2-(Furan-2-yl)-4,6-dimethyl-1,3,5-dithiazinane	142062-38-2			4979	GRAS List 30		
Mixture of (8Z,11Z)-heptadeca-8,11-dienal and (Z)-heptadec-8-enal	2415657-73-5			4980	GRAS List 30		
8-Methyl-4-methylenenon-7-en-2-one	6820-02-6			4981	GRAS List 31		
4-(4-Methylpent-3-en-1-yl)-5,6-dihydro-2H-pyran-2-one	2492342-84-2			4982	GRAS List 31		
4-Mercapto-1-octanol	2491702-14-6			4983	GRAS List 31		
2,11-Tetradecadienal	2099712-94-2			4984	GRAS List 31		
4,9-Dodecadienal	1801275-27-3			4985	GRAS List 31		
Hyaluronic acid, sodium salt	9067-32-7			4986	GRAS List 31		
2,6-Octadienal	149231-57-2			5003	GRAS List 31		
2-Methyloctan-4-olide	40556-69-2			5004	GRAS List 31		
3-Hydroxyhexanoic acid	10191-24-9			5005	GRAS List 31		

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3-Methyl-3-butene-1-thiol	58156-49-3			5006	GRAS List 31		
Limonene	138-86-3					01.001	Evaluated - No safety concern
Bisabola-1,8,12-triene	17627-44-0					01.027	Evaluated - No safety concern
2,2-Dimethylhexane	590-73-8					01.033	Evaluated - No safety concern
2,4-Dimethylhexane	589-43-5					01.034	Evaluated - No safety concern
2,6-Dimethylocta-2,4,6-triene	673-84-7					01.035	Evaluated - No safety concern
Dodecane	112-40-3					01.038	Evaluated - No safety concern
delta-Elementene	20307-84-0					01.039	Evaluated - No safety concern
l-Limonene	5989-54-8					01.046	Evaluated - No safety concern
Pentadecane	629-62-9					01.054	Evaluated - No safety concern
Tetradecane	629-59-4					01.057	Evaluated - No safety concern
4(10)-Thujene	3387-41-5					01.059	Evaluated - No safety concern
2-Methylbutan-2-ol	75-85-4					02.041	Evaluated - No safety concern
2-Ethylbutan-1-ol	97-95-0					02.043	No need for evaluation
2-Methylpropan-2-ol	75-65-0					02.052	Evaluated - No safety concern
p-Menthane-1,8-diol	80-53-5					02.054	Evaluated - No safety concern
Cyclohexanol	108-93-0					02.070	Evaluated - No safety concern
neo-Dihydrocarveol	18675-33-7					02.075	Evaluated - No safety concern
Pentan-3-ol	584-02-1					02.077	Evaluated - No safety concern
Cedrenol	28231-03-0					02.119	Evaluated - No safety concern
Butan-2-ol	78-92-2					02.121	No need for evaluation
2-Methylbut-3-en-2-ol	115-18-4					02.123	Evaluated - No safety concern
Undec-10-en-1-ol	112-43-6					02.125	Evaluated - No safety concern
Tetradecan-1-ol	112-72-1					02.126	Evaluated - No safety concern
But-3-en-2-ol	598-32-3					02.131	Evaluated - No safety concern
Butane-1,3-diol	107-88-0					02.132	Evaluated - No safety concern
Butane-2,3-diol	513-85-9					02.133	Evaluated - No safety concern
2-Cyclohexylethan-1-ol	4442-79-9					02.134	Evaluated - No safety concern
Cyclopentanol	96-41-3					02.135	Evaluated - No safety concern
Dec-9-en-1-ol	13019-22-2					02.138	Evaluated - No safety concern
1,2-Dihydrolinalool	2270-57-7					02.140	Evaluated - No safety concern
3,3-Dimethylbutan-2-ol	464-07-3					02.142	Evaluated - No safety concern
2,6-Dimethyloct-7-en-2-ol	18479-58-8					02.144	Evaluated - No safety concern
2,6-Dimethylocta-1,5,7-trien-3-ol	29414-56-0					02.145	Evaluated - No safety concern
3,6-Dimethyloctan-3-ol	151-19-9					02.147	Evaluated - No safety concern
Dodecan-2-ol	10203-28-8					02.148	Evaluated - No safety concern
Elemol	639-99-6					02.149	Evaluated - No safety concern
Geranyl linalool	1113-21-9					02.150	Evaluated - No safety concern
Hept-3-en-1-ol	10606-47-0					02.152	Evaluated - No safety concern
Heptadecan-1-ol	1454-85-9					02.154	Evaluated - No safety concern
4-Hydroxy-3,5-dimethoxybenzyl alcohol	530-56-3					02.164	Evaluated - No safety concern
2-(4-Hydroxyphenyl)ethan-1-ol	501-94-0					02.166	Evaluated - No safety concern
Isodihydrocarveol	18675-35-9					02.167	Evaluated - No safety concern
Isophytol	505-32-8					02.168	Evaluated - No safety concern
Lavandulol	498-16-8					02.170	Evaluated - No safety concern
p-Menthan-8-ol	498-81-7					02.171	Evaluated - No safety concern
3-(4-Methoxyphenyl)propan-1-ol	5406-18-8					02.173	Evaluated - No safety concern
2-Methylbut-3-en-1-ol	4516-90-9					02.175	Evaluated - No safety concern
3-Methylbut-3-en-1-ol	763-32-6					02.176	Evaluated - No safety concern
2-Methylhexan-3-ol	617-29-8					02.177	Evaluated - No safety concern

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2-Methyloctan-1-ol	818-81-5					02.178	Evaluated - No safety concern
4-Methylpentan-1-ol	626-89-1					02.180	Evaluated - No safety concern
2-Methylpentan-2-ol	590-36-3					02.181	Evaluated - No safety concern
3-Methylpentan-2-ol	565-60-6					02.182	Evaluated - No safety concern
4-Methylpentan-2-ol	108-11-2					02.183	Evaluated - No safety concern
3-Methylpentan-3-ol	77-74-7					02.184	Evaluated - No safety concern
Myrtanol	514-99-8					02.186	Evaluated - No safety concern
Non-1-en-3-ol	21964-44-3					02.187	Evaluated - No safety concern
Nonan-3-ol	624-51-1					02.190	Evaluated - No safety concern
Octa-3,5-dien-1-ol	70664-96-9					02.195	Evaluated - No safety concern
Octadecan-1-ol	112-92-5					02.196	Evaluated - No safety concern
1,2,3,4,4a,5,6,7-Octahydro-2,5,5-trimethylnaphthalen-2-ol	41199-19-3					02.197	Evaluated - No safety concern
Octane-1,3-diol	23433-05-8					02.198	Evaluated - No safety concern
Pent-4-en-1-ol	821-09-0					02.201	Evaluated - No safety concern
Pentadecan-1-ol	629-76-5					02.202	Evaluated - No safety concern
2-Phenylpropan-2-ol	617-94-7					02.203	Evaluated - No safety concern
Piperonyl alcohol	495-76-1					02.205	Evaluated - No safety concern
Undeca-1,5-dien-3-ol	56722-23-7					02.211	Evaluated - No safety concern
2,6-Dimethyl-2-heptanol	13254-34-7					02.219	Evaluated - No safety concern
3-Pentenol-1	39161-19-8					02.222	Evaluated - No safety concern
[S-(cis)]-3,7,11-Trimethyl-1,6,10-dodecatrien-3-ol	142-50-7					02.226	Evaluated - No safety concern
Terpineol	8000-41-7					02.230	Evaluated - No safety concern
2-Butoxyethan-1-ol	111-76-2					02.242	Evaluated - No safety concern
(Z)-4-Hepten-2-ol	66642-85-1					02.255	Evaluated - No safety concern
2-Acetoxy-1,8-cineole	57709-95-2					03.008	Evaluated - No safety concern
Benzyl methyl ether	538-86-3					03.011	Evaluated - No safety concern
Benzyl octyl ether	54852-64-1					03.012	Evaluated - No safety concern
Ethyl geranyl ether	40267-72-9					03.015	Evaluated - No safety concern
alpha-Terpinyl methyl ether	14576-08-0					03.020	Evaluated - No safety concern
3,5-Dimethylphenol	108-68-9					04.020	Evaluated - No safety concern
3-Ethylphenol	620-17-7					04.021	Evaluated - No safety concern
Benzene-1,2-diol	120-80-9					04.029	No need for evaluation
Carvacryl methyl ether	6379-73-3					04.059	Evaluated - No safety concern
2,6-Dimethoxy-4-vinylphenol	28343-22-8					04.061	Evaluated - No safety concern
2,3-Dimethylphenol	526-75-0					04.065	Evaluated - No safety concern
2,4-Dimethylphenol	105-67-9					04.066	Evaluated - No safety concern
1-Ethoxy-2-methoxybenzene	17600-72-5					04.067	Evaluated - No safety concern
1-Ethoxy-4-methoxybenzene	5076-72-2					04.068	Evaluated - No safety concern
1-Ethyl-4-methoxybenzene	1515-95-3					04.069	Evaluated - No safety concern
2-Ethylphenol	90-00-6					04.070	Evaluated - No safety concern
3-Isopropylphenol	618-45-1					04.072	Evaluated - No safety concern
4-Isopropylphenol	99-89-8					04.073	Evaluated - No safety concern
1-Methoxynaphthalene	2216-69-5					04.075	Evaluated - No safety concern
3-Methoxyphenol	150-19-6					04.076	Evaluated - No safety concern
4-Methoxyphenol	150-76-5					04.077	Evaluated - No safety concern
5-Methyl-2-(tert-butyl)phenol	88-60-8					04.078	Evaluated - No safety concern
Methyl 4-methoxybenzyl ether	1515-81-7					04.079	Evaluated - No safety concern
1,2,3-Trimethoxybenzene	634-36-6					04.084	Evaluated - No safety concern
1-Methoxy-4-(1-propenyl)benzene	104-46-1					04.088	No need for evaluation
Ethyl 4-hydroxybenzyl ether	57726-26-8					04.091	Evaluated - No safety concern

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4-Hydroxybenzyl methyl ether	5355-17-9					04.092	Evaluated - No safety concern
Oct-6-enal	63826-25-5					05.061	Evaluated - No safety concern
4-Ethoxy-3-methoxybenzaldehyde	120-25-2					05.066	Evaluated - No safety concern
Dodeca-3,6-dienal	13553-09-8					05.082	Evaluated - No safety concern
2-Methyl-3-tolylpropionaldehyde (mixed o,m,p-)						05.134	No need for evaluation
3,4-Dihydroxybenzaldehyde	139-85-5					05.142	Evaluated - No safety concern
2,5-Dimethyl-2-vinylhex-4-enal	56134-05-5					05.143	Evaluated - No safety concern
2-Ethylhexanal	123-05-7					05.147	Evaluated - No safety concern
Glutaraldehyde	111-30-8					05.149	Evaluated - No safety concern
Hexadecanal	629-80-1					05.152	Evaluated - No safety concern
4-Hydroxy-3,5-dimethoxycinnamaldehyde	4206-58-0					05.154	Evaluated - No safety concern
4-Hydroxy-3-methoxycinnamaldehyde	458-36-6					05.155	Evaluated - No safety concern
3-(4-Hydroxy-3-methoxyphenyl)propanal	80638-48-8					05.156	Evaluated - No safety concern
Isocyclocitral (mixture)	1335-66-6					05.157	Evaluated - No safety concern
3-Methoxybenzaldehyde	591-31-1					05.158	Evaluated - No safety concern
p-Methoxyphenylacetaldehyde	5703-26-4					05.159	Evaluated - No safety concern
2-Methyldecanal	19009-56-4					05.160	Evaluated - No safety concern
2-Methylhexanal	925-54-2					05.164	Evaluated - No safety concern
4-Methylpentanal	1119-16-0					05.166	Evaluated - No safety concern
12-Methyltetradecanal	75853-50-8					05.167	Evaluated - No safety concern
2-Phenylpent-2-enal	3491-63-2					05.175	Evaluation pending
4-(2,6,6-Trimethylcyclohexenyl)-2-methylbutanal	73398-85-3					05.183	Evaluated - No safety concern
alpha-Methyl ional	58102-02-6					05.198	Evaluated - No safety concern
5-Decenal	21662-08-8					05.217	Evaluated - No safety concern
16-Octadecenal	56554-87-1					05.218	Evaluated - No safety concern
(Diethoxymethyl)benzene	774-48-1					06.017	Evaluated - No safety concern
1,1-Diethoxydecane	34764-02-8					06.020	No need for evaluation
1,1-Diethoxyheptane	688-82-4					06.021	No need for evaluation
1,1-Diethoxyhexane	3658-93-3					06.023	No need for evaluation
1,1-Dibutoxyethane	871-22-7					06.033	No need for evaluation
Citral propylene glycol acetal	10444-50-5					06.035	No need for evaluation
1-Isobutoxy-1-ethoxy-2-methylpropane	1401305-82-5					06.041	Evaluated - No safety concern
1-Isobutoxy-1-ethoxy-3-methylbutane	85136-40-9					06.042	Evaluated - No safety concern
1-Isoamlyoxy-1-ethoxypropane	238757-30-7					06.043	Evaluated - No safety concern
1-Isobutoxy-1-ethoxypropane	67234-04-2					06.044	Evaluated - No safety concern
1-Isobutoxy-1-isopentyloxy-2-methylpropane	1401950-42-2					06.045	Evaluated - No safety concern
1-Isobutoxy-1-isopentyloxy-3-methylbutane	1401307-17-2					06.046	Evaluated - No safety concern
1-Isopentyloxy-1-propoxyethane	238757-63-6					06.047	Evaluated - No safety concern
1-Isopentyloxy-1-propoxypropane	238757-65-8					06.048	Evaluated - No safety concern
1-Butoxy-1-(2-methylbutoxy)ethane	77249-20-8					06.049	Evaluated - No safety concern
1-Butoxy-1-ethoxyethane	57006-87-8					06.050	Evaluated - No safety concern
1,1-Di-(2-methylbutoxy)ethane	13535-43-8					06.051	Evaluated - No safety concern
1,1-Di-isobutoxy-2-methylpropane	13262-24-3					06.052	Evaluated - No safety concern
1,1-Di-isobutoxypentane	13262-27-6					06.054	Evaluated - No safety concern
1,1-Diethoxy-2-methylbutane	3658-94-4					06.057	Evaluated - No safety concern
1,1-Diethoxy-2-methylpropane	1741-41-9					06.058	Evaluated - No safety concern
1,1-Diethoxybutane	3658-95-5					06.061	Evaluated - No safety concern
1,1-Diethoxydodecane	53405-98-4					06.062	Evaluated - No safety concern
1,1-Diethoxyhex-3-ene	73545-18-3					06.063	Evaluated - No safety concern
Diethoxymethane	462-95-3					06.064	Evaluated - No safety concern

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1,1-Diethoxynonane	54815-13-3					06.065	Evaluated - No safety concern
1,1-Diethoxyoctane	54889-48-4					06.066	Evaluated - No safety concern
1,1-Diethoxypentane	3658-79-5					06.067	Evaluated - No safety concern
1,1-Diethoxypropane	4744-08-5					06.069	Evaluated - No safety concern
1,1-Diethoxyundecane	53405-97-3					06.070	Evaluated - No safety concern
1,1-Dihexyloxyethane	5405-58-3					06.071	Evaluated - No safety concern
1,1-Dimethoxyhexane	1599-47-9					06.073	Evaluated - No safety concern
Dimethoxymethane	109-87-5					06.074	Evaluated - No safety concern
1,1-Dimethoxypentane	26450-58-8					06.075	Evaluated - No safety concern
1,1-Dimethoxypropane	4744-10-9					06.076	Evaluated - No safety concern
1,1-Diphenethoxyethane	122-71-4					06.078	Evaluated - No safety concern
1-Ethoxy-1-(2-methylbutoxy)ethane	13602-09-0					06.079	Evaluated - No safety concern
1-Ethoxy-1-(2-phenylethoxy)ethane	2556-10-7					06.080	Evaluated - No safety concern
1-Ethoxy-1-hexyloxyethane	54484-73-0					06.082	Evaluated - No safety concern
1-Ethoxy-1-isopentyloxyethane	13442-90-5					06.083	Evaluated - No safety concern
1-Ethoxy-1-methoxyethane	10471-14-4					06.084	Evaluated - No safety concern
1-Ethoxy-1-pentyloxyethane	13442-89-2					06.085	Evaluated - No safety concern
1-Ethoxy-1-propoxyethane	20680-10-8					06.086	Evaluated - No safety concern
2-Ethyl-4-methyl-1,3-dioxolane	4359-46-0					06.088	Evaluated - No safety concern
4-Hydroxymethyl-2-methyl-1,3-dioxolane	3773-93-1					06.090	Evaluated - No safety concern
1-Isobutoxy-1-isopentyloxyethane	75048-15-6					06.092	Evaluated - No safety concern
4-Methyl-2-propyl-1,3-dioxolane	4352-99-2					06.095	Evaluated - No safety concern
Triethoxymethane	122-51-0					06.096	Evaluated - No safety concern
1,1,3-Triethoxypropane	7789-92-6					06.097	Evaluated - No safety concern
1,1-Dipentyloxyethane	13002-08-9					06.100	Evaluated - No safety concern
2-Hexyl-5-hydroxy-1,3-dioxane	1708-36-7					06.102	Evaluated - No safety concern
3-Methyl-1,1-di-isopentyloxybutane	13285-51-3					06.105	Evaluated - No safety concern
2-Methyl-1,1-di-isopentyloxypropane	13112-63-5					06.106	Evaluated - No safety concern
1-(2-Methylbutoxy)-1-isopentyloxyethane	13548-84-0					06.107	Evaluated - No safety concern
3,7-Dimethyl-6-octenal diethyl acetal	71662-17-4					06.109	Evaluated - No safety concern
1-Ethoxy-1-methoxypropane	127248-84-4					06.111	Evaluated - No safety concern
1-Isopentyloxy-1-pentyloxyethane	13442-92-7					06.115	Evaluated - No safety concern
1-Butoxy-1-isopentyloxyethane	238757-27-2					06.123	Evaluated - No safety concern
1,1-Di-isobutoxy-3-methylbutane	13439-98-0					06.124	Evaluated - No safety concern
1,1-Di-isobutoxypropane	13002-11-4					06.125	Evaluated - No safety concern
1-Ethoxy-1-pentyloxybutane	3658-92-2					06.128	Evaluated - No safety concern
1-Ethoxy-2-methyl-1-isopentyloxypropane	253679-74-2					06.129	Evaluated - No safety concern
1-Ethoxy-2-methyl-1-propoxypropane	238757-42-1					06.130	Evaluated - No safety concern
1-Ethoxy-3-methyl-1-isopentyloxybutane	238757-35-2					06.131	Evaluated - No safety concern
6-Methylheptan-3-one	624-42-0					07.072	Evaluated - No safety concern
Pentan-3-one	96-22-0					07.084	Evaluated - No safety concern
Acetovanillone	498-02-2					07.142	Evaluated - No safety concern
3,3-Diethoxybutan-2-one	51933-13-2					07.152	Evaluated - No safety concern
1-(3,5-Dimethoxy-4-hydroxyphenyl)propan-1-one	5650-43-1					07.154	Evaluated - No safety concern
2,6-Dimethyloct-6-en-3-one	90975-15-8					07.156	Evaluated - No safety concern
6,10-Dimethylundecan-2-one	1604-34-8					07.157	Evaluated - No safety concern
Dodecan-2-one	6175-49-1					07.158	Evaluated - No safety concern
Heptadecan-2-one	2922-51-2					07.160	Evaluated - No safety concern
Hex-1-en-3-one	1629-60-3					07.161	Evaluated - No safety concern
Hex-5-en-2-one	109-49-9					07.162	Evaluated - No safety concern

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4-Hydroxy-3,5-dimethoxyacetophenone	2478-38-8					07.164	Evaluated - No safety concern
4-Hydroxy-4-methylpentan-2-one	123-42-2					07.165	Evaluated - No safety concern
4-Hydroxyhexan-3-one	4984-85-4					07.167	Evaluated - No safety concern
3-Methylbutan-2-one	563-80-4					07.178	Evaluated - No safety concern
6-Methylheptan-2-one	928-68-7					07.181	Evaluated - No safety concern
5-Methylheptan-3-one	541-85-5					07.182	Evaluated - No safety concern
3-Methylpentan-2-one	565-61-7					07.185	Evaluated - No safety concern
2-Nonen-4-one	32064-72-5					07.187	Evaluated - No safety concern
Nonan-4-one	4485-09-0					07.189	Evaluated - No safety concern
1-Phenylbutan-1-one	495-40-9					07.193	Evaluated - No safety concern
4-Phenylbutan-2-one	2550-26-7					07.194	Evaluated - No safety concern
1-Phenylpropan-2-one	103-79-7					07.195	Evaluated - No safety concern
Tetradecan-2-one	2345-27-9					07.199	Evaluated - No safety concern
4-(2,5,6,6-Tetramethyl-1-cyclohexenyl)but-3-en-2-one	79-70-9					07.200	Evaluated - No safety concern
Tridec-12-en-2-one	60437-21-0					07.201	Evaluated - No safety concern
2,6,6-Trimethylcyclohex-2-en-1-one	20013-73-4					07.202	Evaluated - No safety concern
3,3,5-Trimethylcyclohexan-1-one	873-94-9					07.203	Evaluated - No safety concern
3,3,6-Trimethylhepta-1,5-dien-4-one	546-49-6					07.204	Evaluated - No safety concern
6,10,14-Trimethylpentadecan-2-one	502-69-2					07.205	Evaluated - No safety concern
1-Nonene-3-one	24415-26-7					07.210	Evaluated - No safety concern
alpha-Methyl naphtyl ketone	941-98-0					07.214	Evaluated - No safety concern
Oct-5-en-2-one	22610-86-2					07.236	Evaluated - No safety concern
4-Methyl-3-hepten-5-one	22319-31-9					07.261	Evaluated - No safety concern
Malonic acid	141-82-2					08.053	Evaluated - No safety concern
Dec-3-enoic acid	15469-77-9					08.074	Evaluated - No safety concern
2-Ethylhexanoic acid	149-57-5					08.078	Evaluated - No safety concern
Gallic acid	149-91-7					08.080	Evaluated - No safety concern
Glutaric acid	110-94-1					08.082	Evaluated - No safety concern
4-Hydroxy-3,5-dimethoxybenzoic acid	530-57-4					08.087	Evaluated - No safety concern
4-Hydroxy-3,5-dimethoxycinnamic acid	530-59-6					08.088	Evaluated - No safety concern
2-Hydroxy-4-methylvaleric acid	498-36-2					08.090	Evaluated - No safety concern
4-Methyldecanoic acid	24323-24-8					08.094	Evaluated - No safety concern
8-Methyldecanoic acid	5601-60-5					08.095	Evaluated - No safety concern
3-Methylhexanoic acid	3780-58-3					08.096	Evaluated - No safety concern
4-Methylhexanoic acid	1561-11-1					08.097	Evaluated - No safety concern
4-Methylpent-3-enoic acid	504-85-8					08.100	Evaluated - No safety concern
Non-3-enoic acid	4124-88-3					08.102	Evaluated - No safety concern
Nonanedioic acid	123-99-9					08.103	Evaluated - No safety concern
2-Phenylpropionic acid	492-37-5					08.108	Evaluated - No safety concern
4-Methylheptanoic acid	3302-03-2					08.115	Evaluated - No safety concern
Hexenoic acid	1191-04-4					08.119	Evaluated - No safety concern
Methyl-2-butenic acid	13201-46-2					08.120	Evaluated - No safety concern
2-(4-Methoxyphenoxy)propionic acid	158833-38-6					08.127	Evaluated - No safety concern
Pentyl propionate	624-54-4					09.135	No need for evaluation
Pentyl valerate	2173-56-0					09.149	No need for evaluation
Benzyl valerate	10361-39-4					09.152	Evaluated - No safety concern
Cedryl acetate	77-54-3					09.171	Evaluated - No safety concern
Methyl hexadecanoate	112-39-0					09.180	Evaluated - No safety concern
2-Oxopropyl acetate	592-20-1					09.185	No need for evaluation
Pentyl decanoate	5933-87-9					09.188	No need for evaluation

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Isopentyl valerate	2050-09-1					09.198	No need for evaluation
Phenethyl valerate	7460-74-4					09.201	Evaluated - No safety concern
Propyl valerate	141-06-0					09.202	No need for evaluation
Ethyl octadeca-9,12-dienoate	544-35-4					09.204	No need for evaluation
Ethyl octadeca-9,12,15-trienoate	1191-41-9					09.205	No need for evaluation
Butyl oleate	142-77-8					09.208	No need for evaluation
Butyl octanoate	589-75-3					09.209	No need for evaluation
Isobutyl valerate	10588-10-0					09.250	No need for evaluation
Methyl decanoate	110-42-9					09.251	No need for evaluation
2-Isopropyl-5-methylphenyl acetate	528-79-0					09.253	Evaluated - No safety concern
Propyl nonanoate	6513-03-7					09.256	No need for evaluation
sec-Heptyl isovalerate	238757-71-6					09.304	Evaluated - No safety concern
2-Methoxycinnamyl acetate	110823-66-0					09.306	Evaluated - No safety concern
2-Methylbutyl dodecanoate	93815-53-3					09.307	Evaluated - No safety concern
Benzyl 2-methylbutyrate	56423-40-6					09.313	Evaluated - No safety concern
Benzyl crotonate	65416-24-2					09.314	Evaluated - No safety concern
Benzyl dodecanoate	140-25-0					09.315	Evaluated - No safety concern
Benzyl lactate	2051-96-9					09.317	Evaluated - No safety concern
Benzyl octanoate	10276-85-4					09.318	Evaluated - No safety concern
Butyl 2-methylbut-2(cis)-enoate	7785-64-0					09.321	Evaluated - No safety concern
sec-Butyl acetate	105-46-4					09.323	Evaluated - No safety concern
Butyl but-2-enoate	591-63-9					09.324	Evaluated - No safety concern
sec-Butyl butyrate	819-97-6					09.325	Evaluated - No safety concern
Butyl deca-2,4-dienoate	28369-24-6					09.326	Evaluated - No safety concern
Butyl decanoate	30673-36-0					09.327	Evaluated - No safety concern
sec-Butyl formate	589-40-2					09.328	Evaluated - No safety concern
Butyl hex-2-enoate	13416-74-5					09.329	Evaluated - No safety concern
Butyl hex-3-enoate	118869-62-8					09.330	Evaluated - No safety concern
Butyl hexadecanoate	111-06-8					09.331	Evaluated - No safety concern
sec-Butyl hexanoate	820-00-8					09.332	Evaluated - No safety concern
sec-Butyl lactate	18449-60-0					09.333	Evaluated - No safety concern
Butyl nonanoate	50623-57-9					09.334	Evaluated - No safety concern
Butyl oct-2-enoate	57403-32-4					09.335	Evaluated - No safety concern
Carvacryl acetate	6380-28-5					09.337	Evaluated - No safety concern
Cinnamyl 2-methylcrotonate	61792-12-9					09.339	Evaluated - No safety concern
Citronellyl hexanoate	10580-25-3					09.341	Evaluated - No safety concern
Cyclogeranyl acetate	69842-11-1					09.342	Evaluated - No safety concern
Di-isopentyl succinate	818-04-2					09.345	Evaluated - No safety concern
Dibutyl malate	6280-99-5					09.346	Evaluated - No safety concern
Dibutyl succinate	141-03-7					09.347	Evaluated - No safety concern
Diethyl adipate	141-28-6					09.348	Evaluated - No safety concern
Diethyl citrate	32074-56-9					09.349	Evaluated - No safety concern
Diethyl fumarate	623-91-6					09.350	Evaluated - No safety concern
Diethyl maleate	141-05-9					09.351	Evaluated - No safety concern
Diethyl nonanedioate	624-17-9					09.352	Evaluated - No safety concern
Diethyl oxalate	95-92-1					09.353	Evaluated - No safety concern
Diethyl pentanedioate	818-38-2					09.354	Evaluated - No safety concern
neo-Dihydrocarvyl acetate	56422-50-5					09.355	Evaluated - No safety concern
1,1-Dimethylethyl propionate	20487-40-5					09.356	Evaluated - No safety concern
3,7-Dimethyloctyl acetate	20780-49-8					09.358	Evaluated - No safety concern

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Ethyl 2-acetoxypropionate	2985-28-6					09.360	Evaluated - No safety concern
Ethyl 2-hydroxy-4-methylbenzoate	60770-00-5					09.362	Evaluated - No safety concern
Ethyl 2-methoxybenzoate	7335-26-4					09.363	Evaluated - No safety concern
Ethyl 2-phenylpropionate	2510-99-8					09.364	Evaluated - No safety concern
Ethyl 3-methylcrotonate	638-10-8					09.365	Evaluated - No safety concern
Ethyl 4-hydroxybenzoate	120-47-8					09.367	Evaluated - No safety concern
Ethyl 4-methylpent-3-enoate	6849-18-9					09.368	Evaluated - No safety concern
Ethyl dec-9-enoate	67233-91-4					09.370	Evaluated - No safety concern
Ethyl dodec-2-enoate	28290-90-6					09.372	Evaluated - No safety concern
Ethyl hept-2-enoate	54340-72-6					09.374	Evaluated - No safety concern
Ethyl methacrylate	97-63-2					09.375	Evaluated - No safety concern
Ethyl pent-2-enoate	2445-93-4					09.379	Evaluated - No safety concern
Ethyl pentadecanoate	41114-00-5					09.380	Evaluated - No safety concern
2-Ethylhexyl acetate	103-09-3					09.381	Evaluated - No safety concern
sec-Hept-4(cis)-enyl acetate	94088-33-2					09.386	Evaluated - No safety concern
Heptyl 2-methylbutyrate	50862-12-9					09.387	Evaluated - No safety concern
sec-Heptyl acetate	5921-82-4					09.388	Evaluated - No safety concern
Heptyl hexanoate	6976-72-3					09.390	Evaluated - No safety concern
sec-Heptyl hexanoate	6624-58-4					09.391	Evaluated - No safety concern
Heptyl isovalerate	56423-43-9					09.392	Evaluated - No safety concern
Hex-2-enyl phenylacetate	68133-78-8					09.400	Evaluated - No safety concern
Pentyl isobutyrate	2445-72-9					09.418	Evaluated - No safety concern
Citronellyl isovalerate	68922-10-1					09.460	No need for evaluation
Diethyl carbonate	105-58-8					09.481	No need for evaluation
Pentyl isovalerate	25415-62-7					09.499	Evaluated - No safety concern
Ethyl butyryl lactate	71662-27-6					09.502	Evaluated - No safety concern
Dimethyl malonate	108-59-8					09.558	Evaluated - No safety concern
Hex-3(cis)-enyl anisate	121432-33-5					09.560	Evaluated - No safety concern
Hex-(3Z)-enyl decanoate	85554-69-4					09.567	Evaluated - No safety concern
Hex-(3Z)-enyl octanoate	61444-41-5					09.569	Evaluated - No safety concern
Hex-(4Z)-enyl acetate	42125-17-7					09.572	Evaluated - No safety concern
Hexadec-1-yl acetate	629-70-9					09.574	Evaluated - No safety concern
(3Z)-Hexenyl heptanoate	61444-39-1					09.575	Evaluated - No safety concern
Hexyl dodecanoate	34316-64-8					09.579	Evaluated - No safety concern
Hexyl lactate	20279-51-0					09.580	Evaluated - No safety concern
Hexyl salicylate	6259-76-3					09.581	Evaluated - No safety concern
Hexyl tetradecanoate	42231-99-2					09.582	Evaluated - No safety concern
Hexyl valerate	1117-59-5					09.583	Evaluated - No safety concern
Isobutyl 2-methylbutyrate	2445-67-2					09.585	Evaluated - No safety concern
Isobutyl 2-methylprop-2-enoate	97-86-9					09.586	Evaluated - No safety concern
Isobutyl decanoate	30673-38-2					09.587	Evaluated - No safety concern
Isobutyl dodecanoate	37811-72-6					09.588	Evaluated - No safety concern
Isobutyl hexadecanoate	110-34-9					09.589	Evaluated - No safety concern
Isobutyl lactate	585-24-0					09.590	Evaluated - No safety concern
Isobutyl octadecanoate	646-13-9					09.592	Evaluated - No safety concern
Isobutyl octanoate	5461-06-3					09.593	Evaluated - No safety concern
Isobutyl tetradecanoate	25263-97-2					09.594	Evaluated - No safety concern
Isopentyl-(Z)-but-2-enoate	10482-55-0					09.596	Evaluated - No safety concern
Isopentyl decanoate	2306-91-4					09.598	Evaluated - No safety concern
Isopentyl heptanoate	109-25-1					09.599	Evaluated - No safety concern

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Isopentyl hexadecanoate	81974-61-0					09.600	Evaluated - No safety concern
Isopentyl lactate	19329-89-6					09.601	Evaluated - No safety concern
Isopentyl tetradecanoate	62488-24-8					09.602	Evaluated - No safety concern
Isopropyl crotonate	6284-46-4					09.603	Evaluated - No safety concern
Isopropyl decanoate	2311-59-3					09.604	Evaluated - No safety concern
Isopropyl dodecanoate	10233-13-3					09.605	Evaluated - No safety concern
Isopropyl hexadecanoate	142-91-6					09.606	Evaluated - No safety concern
Isopropyl octanoate	5458-59-3					09.608	Evaluated - No safety concern
Isopropyl valerate	18362-97-5					09.609	Evaluated - No safety concern
4-Isopropylbenzyl acetate	59230-57-8					09.611	Evaluated - No safety concern
Lavandulyl acetate	25905-14-0					09.612	Evaluated - No safety concern
Linalyl valerate	10471-96-2					09.614	Evaluated - No safety concern
p-Menthan-8-yl acetate	58985-18-5					09.617	Evaluated - No safety concern
Menthyl hexanoate	6070-16-2					09.619	Evaluated - No safety concern
Menthyl phenylacetate	1154-92-3					09.620	Evaluated - No safety concern
Menthyl salicylate	89-46-3					09.621	Evaluated - No safety concern
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	4707-47-5					09.623	Evaluated - No safety concern
Methyl 2-methylcrotonate	6622-76-0					09.624	Evaluated - No safety concern
Methyl 2-methylpent-3-enoate	33603-30-4					09.625	Evaluated - No safety concern
Methyl 2-oxopropionate	600-22-6					09.626	Evaluated - No safety concern
Methyl 3-acetoxyhexanoate	21188-60-3					09.629	Evaluated - No safety concern
Methyl 4-methylbenzoate	99-75-2					09.631	Evaluated - No safety concern
Methyl 5-hydroxydecanoate	101853-47-8					09.633	Evaluated - No safety concern
Methyl acetoacetate	105-45-3					09.634	Evaluated - No safety concern
Methyl crotonate	623-43-8					09.636	Evaluated - No safety concern
Methyl dec-2-enoate	2482-39-5					09.637	Evaluated - No safety concern
Methyl dec-(4Z)-enoate	7367-83-1					09.638	Evaluated - No safety concern
Methyl deca-4,8-dienoate	1191-03-3					09.640	Evaluated - No safety concern
Methyl dodec-2E-enoate	6208-91-9					09.641	Evaluated - No safety concern
Methyl formate	107-31-3					09.642	Evaluated - No safety concern
Methyl geranate	1189-09-9					09.643	Evaluated - No safety concern
Methyl lactate	27871-49-4					09.644	Evaluated - No safety concern
Methyl octadecanoate	112-61-8					09.651	Evaluated - No safety concern
Methyl oleate	112-62-9					09.652	Evaluated - No safety concern
3-Methylbut-3-enyl benzoate	5205-12-9					09.656	Evaluated - No safety concern
2-Methylbutyl butyrate	51115-64-1					09.659	Evaluated - No safety concern
2-Methylbutyl decanoate	68067-33-4					09.660	Evaluated - No safety concern
2-Methylbutyl formate	35073-27-9					09.661	Evaluated - No safety concern
2-Methylbutyl hexanoate	2601-13-0					09.662	Evaluated - No safety concern
2-Methylbutyl isobutyrate	2445-69-4					09.663	Evaluated - No safety concern
2-Methylbutyl octanoate	67121-39-5					09.664	Evaluated - No safety concern
2-Methylbutyl propionate	2438-20-2					09.665	Evaluated - No safety concern
2-Methylbutyl tetradecanoate	93805-23-3					09.666	Evaluated - No safety concern
Myrtanyl acetate	29021-36-1					09.670	Evaluated - No safety concern
Nerolidyl acetate	56001-43-5					09.671	Evaluated - No safety concern
sec-Octyl acetate	2051-50-5					09.676	Evaluated - No safety concern
Octyl hexanoate	4887-30-3					09.677	Evaluated - No safety concern
Pentyl 2-methylbutyrate	68039-26-9					09.679	Evaluated - No safety concern
Pentyl 2-methylsacrotonate	7785-63-9					09.680	Evaluated - No safety concern
Pentyl dodecanoate	5350-03-8					09.681	Evaluated - No safety concern

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Name	CAS	JECFA	JECFA - Safety Status (Link to WHO Database)	FEMA	FEMA - Safety Status (Link to FEMA Flavor Library)	FL. No	EFSA - Safety Status (Link to EFSA Database)
Pentyl hexadecanoate	31148-31-9					09.682	Evaluated - No safety concern
Pentyl lactate	6382-06-5					09.683	Evaluated - No safety concern
Phenethyl crotonate	68141-20-8					09.684	Evaluated - No safety concern
Phenethyl lactate	155449-46-0					09.686	Evaluated - No safety concern
2-Phenoxyethyl butyrate	23511-70-8					09.687	Evaluated - No safety concern
3-Phenylpropyl butyrate	7402-29-1					09.690	Evaluated - No safety concern
Prenyl salicylate	68555-58-8					09.696	Evaluated - No safety concern
Propyl 2-methylbutyrate	37064-20-3					09.698	Evaluated - No safety concern
Propyl crotonate	10352-87-1					09.699	Evaluated - No safety concern
Propyl decanoate	30673-60-0					09.700	Evaluated - No safety concern
Pentyl cinnamate	3487-99-8					09.735	Evaluated - No safety concern
Isobornyl phenylacetate	94022-06-7					09.756	Evaluated - No safety concern
Pentyl phenylacetate	5137-52-0					09.761	Evaluated - No safety concern
Pentyl salicylate	2050-08-0					09.762	Evaluated - No safety concern
Butyl benzoate	136-60-7					09.779	Evaluated - No safety concern
Ethyl vanillate	617-05-0					09.798	Evaluated - No safety concern
Methyl vanillate	3943-74-6					09.799	Evaluated - No safety concern
Guaiyl acetate	134-28-1					09.808	Evaluated - No safety concern
Propyl dodecanoate	3681-78-5					09.813	Evaluated - No safety concern
Propyl hexadecanoate	2239-78-3					09.814	Evaluated - No safety concern
Propyl lactate	616-09-1					09.815	Evaluated - No safety concern
Propyl octanoate	624-13-5					09.816	Evaluated - No safety concern
3,5,5-Trimethylhexyl acetate	58430-94-7					09.819	Evaluated - No safety concern
Undecyl acetate	1731-81-3					09.820	Evaluated - No safety concern
Ethyl 2-acetylbutyrate	607-97-6					09.824	Evaluated - No safety concern
Pentyl benzoate	2049-96-9					09.825	Evaluated - No safety concern
2-Ethylcyclohexyl acetate	5452-75-5					09.829	Evaluated - No safety concern
Ethyl 3,7-dimethyl-2,6-octadienoate	13058-12-3					09.831	Evaluated - No safety concern
Ethyl 3-acetohexanoate	21188-61-4					09.832	Evaluated - No safety concern
iso-Propyl 4-oxopentanoate	21884-26-4					09.833	Evaluated - No safety concern
Benzyl decanoate	42175-41-7					09.835	Evaluated - No safety concern
3-Phenylpropyl benzoate	60045-26-3					09.836	Evaluated - No safety concern
3-Phenylpropyl 3-phenylpropionate	60045-27-4					09.837	Evaluated - No safety concern
(3Z)-Hexenyl methyl carbonate	67633-96-9					09.838	Evaluated - No safety concern
Decyl 3-methylbutyrate	72928-48-4					09.839	Evaluated - No safety concern
2-Methylbutyl 2-hydroxybenzoate	51115-63-0					09.852	Evaluated - No safety concern
trans-3-Hexenyl hexanoate	56922-82-8					09.855	Evaluated - No safety concern
Phenylmethyl 2-methyl-2-butenolate	67674-41-3					09.858	Evaluated - No safety concern
Ethyl 3-acetoxy-octanoate	85554-66-1					09.862	Evaluated - No safety concern
Hexyl (9Z)-octadecenoate	20290-84-0					09.865	Evaluated - No safety concern
Carvyl 3-methylbutyrate	94386-39-7					09.870	Evaluated - No safety concern
Citronellyl decanoate	72934-06-6					09.871	Evaluated - No safety concern
Citronellyl dodecanoate	72934-07-7					09.872	Evaluated - No safety concern
Di(2-methylbutyl) malate	253596-99-5					09.874	Evaluated - No safety concern
(Z)-Hept-4-en-2-yl butanoate	94088-12-7					09.880	Evaluated - No safety concern
Hex-3-enyl 2-ethylbutyrate	233666-04-1					09.884	Evaluated - No safety concern
Hex-3-enyl hexadecanoate	233666-03-0					09.885	Evaluated - No safety concern
2-Isopropyl-5-methylphenyl formate	406700-80-9					09.893	Evaluated - No safety concern
2-Methoxy-4-(prop-1-enyl)phenyl 3-methylbutyrate	61114-23-6					09.894	Evaluated - No safety concern
4-Methoxybenzyl 2-methylpropionate	71172-26-4					09.895	Evaluated - No safety concern

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Name	CAS	JECFA	JECFA - Safety Status (Link to WHO Database)	FEMA	FEMA - Safety Status (Link to FEMA Flavor Library)	FL. No	EFSA - Safety Status (Link to EFSA Database)
3-Methyl-3-buten-1-yl butanoate	54702-13-5					09.897	Evaluated - No safety concern
3-Methyl-3-buten-1-yl hexanoate	53655-22-4					09.898	Evaluated - No safety concern
cis-Dec-7-eno-1,4-lactone	63095-33-0					10.039	Evaluated - No safety concern
Heptano-1,5-lactone	3301-90-4					10.045	Evaluated - No safety concern
Hexadecano-1,16-lactone	109-29-5					10.047	Evaluated - No safety concern
Hexadecano-1,4-lactone	730-46-1					10.048	Evaluated - No safety concern
3-Methylnonano-1,4-lactone	33673-62-0					10.052	Evaluated - No safety concern
Pentano-1,5-lactone	542-28-9					10.055	Evaluated - No safety concern
Pentadecano-1,14-lactone	32539-85-8					10.068	Evaluated - No safety concern
Dipropyl sulfide	111-47-7					12.015	No need for evaluation
Di-isopropyl sulfide	625-80-9					12.016	No need for evaluation
Allyl methyl sulfide	10152-76-8					12.096	Evaluated - No safety concern
Allyl propyl sulfide	27817-67-0					12.099	Evaluated - No safety concern
Butane-1,4-dithiol	1191-08-8					12.103	Evaluated - No safety concern
Butane-2-thiol	513-53-1					12.104	Evaluated - No safety concern
S-2-Butyl 3-methylbutanethioate	2432-91-9					12.106	Evaluated - No safety concern
Dibutyl disulfide	629-45-8					12.111	Evaluated - No safety concern
Dipentyl sulfide	872-10-6					12.117	Evaluated - No safety concern
Ethyl butyl sulfide	638-46-0					12.124	Evaluated - No safety concern
Ethyl propanethioate	2432-42-0					12.125	Evaluated - No safety concern
Ethyl propyl sulfide	4110-50-3					12.127	Evaluated - No safety concern
3-(Ethylthio)propan-1-ol	18721-61-4					12.129	Evaluated - No safety concern
3-Mercapto-2-methylpropionic acid	26473-47-2					12.135	Evaluated - No safety concern
3-Mercapto-2-oxopropionic acid	2464-23-5					12.136	Evaluated - No safety concern
Methyl butyl disulfide	60779-24-0					12.151	Evaluated - No safety concern
Methyl butyl sulfide	628-29-5					12.152	Evaluated - No safety concern
Methyl isoprenyl sulfide	5897-45-0					12.158	Evaluated - No safety concern
8-(Methylthio)-p-menthan-3-one	32637-94-8					12.177	Evaluated - No safety concern
3-(Methylthio)butyric acid	16630-65-2					12.178	Evaluated - No safety concern
1-(Methylthio)ethane-1-thiol	31331-53-0					12.180	Evaluated - No safety concern
1-(Methylthio)pentan-3-one	66735-69-1					12.181	Evaluated - No safety concern
2-(Methylthio)propionic acid	58809-73-7					12.182	Evaluated - No safety concern
3-(Methylthio)propionic acid	646-01-5					12.183	Evaluated - No safety concern
S-(Methylthiomethyl) 2-methylpropanethioate	77974-85-7					12.189	Evaluated - No safety concern
1,1-bis(Ethylthio)-ethane	14252-42-7					12.200	Evaluated - No safety concern
2-Mercaptoacetaldehyde	4124-63-4					12.205	Evaluated - No safety concern
(S)-Methyl octanethioate	2432-83-9					12.282	Evaluated - No safety concern
Ethyl furfuracrylate	623-20-1					13.011	Evaluated - No safety concern
Butyl 2-furoate	583-33-5					13.102	Evaluated - No safety concern
2,5-Dimethyl-3-(methylthio)furan	61197-06-6					13.113	Evaluated - No safety concern
2,5-Dimethyl-3-(methylthio)furan	63359-63-7					13.114	Evaluated - No safety concern
2,5-Dimethyltetrahydrofuran	1003-38-9					13.120	Evaluated - No safety concern
Ethyl 2-furoate	614-99-3					13.122	Evaluated - No safety concern
Ethyl furfuryl sulfide	2024-70-6					13.124	Evaluated - No safety concern
2-Ethyl-5-methylfuran	1703-52-2					13.125	Evaluated - No safety concern
Furfuryl 2-methylbutyrate	13678-61-0					13.127	Evaluated - No safety concern
Furfuryl but-2-enoate	59020-84-7					13.129	Evaluated - No safety concern
Furfuryl hexanoate	39252-02-3					13.132	Evaluated - No safety concern
Furfuryl isobutyrate	6270-55-9					13.133	Evaluated - No safety concern
2-Furoic acid	88-14-2					13.136	Evaluated - No safety concern

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Name	CAS	JECFA	JECFA - Safety Status (Link to WHO Database)	FEMA	FEMA - Safety Status (Link to FEMA Flavor Library)	FL. No	EFSA - Safety Status (Link to EFSA Database)
5-Hydroxymethylfurfuraldehyde	67-47-0					13.139	Evaluated - No safety concern
Methyl (2-furfurylthio)acetate	108499-33-8					13.141	Evaluated - No safety concern
Methyl 5-methylfurfuryl disulfide	78818-78-7					13.144	Evaluated - No safety concern
Methyl 5-methylfurfuryl sulfide	13679-60-2					13.145	Evaluated - No safety concern
Methyl furfuryl trisulfide	66169-00-4					13.146	Evaluated - No safety concern
2-Octylfuran	4179-38-8					13.162	Evaluated - No safety concern
Tetrahydrofurfuryl phenylacetate	5421-00-1					13.167	Evaluated - No safety concern
2-Furfuryl 3-oxo-2-butyl disulphide	159113-17-4					13.185	Evaluated - No safety concern
Linalool oxide(5) acetate	56469-39-7					13.189	Evaluated - No safety concern
5-Acetyl-2,3-dimethylpyrazine	54300-10-6					14.081	Evaluated - No safety concern
2-Acetyl-5-ethylpyrazine	43108-58-3					14.083	Evaluated - No safety concern
2-Acetyl-5-methylpyrazine	22047-27-4					14.084	Evaluated - No safety concern
2-Acetyl-5-methylpyrrole	6982-72-5					14.085	Evaluated - No safety concern
2-Acetyl-6-ethylpyrazine	34413-34-8					14.086	Evaluated - No safety concern
2-Acetyl-6-methylpyrazine	22047-26-3					14.087	Evaluated - No safety concern
1-Acetylinidole	576-15-8					14.088	Evaluated - No safety concern
4-Acetylpyridine	1122-54-9					14.089	Evaluated - No safety concern
2-Butyl-3-methylpyrazine	15987-00-5					14.091	Evaluated - No safety concern
2-Butylpyridine	5058-19-5					14.092	Evaluated - No safety concern
3-Butylpyridine	539-32-2					14.093	Evaluated - No safety concern
2,5-Diethylpyrazine	13238-84-1					14.097	Evaluated - No safety concern
6,7-Dihydro-5,7-dimethyl-5H-cyclopentapyrazine	41330-21-6					14.099	Evaluated - No safety concern
2,5-Dimethyl-3-isopropylpyrazine	40790-20-3					14.101	Evaluated - No safety concern
2,3-Dimethylpyridine	583-61-9					14.103	Evaluated - No safety concern
3,4-Dimethylpyridine	583-58-4					14.105	Evaluated - No safety concern
3,5-Dimethylpyridine	591-22-0					14.106	Evaluated - No safety concern
2,3-Dimethylquinoxaline	2379-55-7					14.108	Evaluated - No safety concern
Ethyl nicotinate	614-18-6					14.110	Evaluated - No safety concern
5-Ethyl-6,7-dihydro-5H-cyclopentapyrazine	52517-53-0					14.113	Evaluated - No safety concern
2-Ethylpyridine	100-71-0					14.115	Evaluated - No safety concern
4-Ethylpyridine	536-75-4					14.116	Evaluated - No safety concern
2-Hydroxypyridine	142-08-5					14.118	Evaluated - No safety concern
Isopropyl nicotinate	553-60-6					14.120	Evaluated - No safety concern
2-Isopropyl-3-methylthiopyrazine	67952-59-4					14.122	Evaluated - No safety concern
2-Isopropylpyridine	644-98-4					14.124	Evaluated - No safety concern
4-Isopropylpyridine	696-30-0					14.125	Evaluated - No safety concern
2-Methoxy-3-propylpyrazine	25680-57-3					14.127	Evaluated - No safety concern
2-Methyl-3-propylpyrazine	15986-80-8					14.129	Evaluated - No safety concern
2-Methylindole	95-20-5					14.131	Evaluated - No safety concern
2-Methylpyridine	109-06-8					14.134	Evaluated - No safety concern
3-Methylpyridine	108-99-6					14.135	Evaluated - No safety concern
4-Methylpyridine	108-89-4					14.136	Evaluated - No safety concern
1-Methylpyrrolidine	120-94-5					14.137	Evaluated - No safety concern
3-Pentylpyridine	1802-20-6					14.140	Evaluated - No safety concern
3-Propylpyridine	4673-31-8					14.143	Evaluated - No safety concern
5,6,7,8-Tetrahydro-5-methylquinoxaline	52517-54-1					14.148	Evaluated - No safety concern
2,4,6-Trimethylpyridine	108-75-8					14.150	Evaluated - No safety concern
2-Acetyl-4-methylthiazole	7533-07-5					15.038	Evaluated - No safety concern
2-Acetyl-5-methylthiazole	59303-17-2					15.039	Evaluated - No safety concern
2-Acetylthiophene	88-15-3					15.040	Evaluated - No safety concern

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Name	CAS	JECFA	JECFA - Safety Status (Link to WHO Database)	FEMA	FEMA - Safety Status (Link to FEMA Flavor Library)	FL. No	EFSA - Safety Status (Link to EFSA Database)
2-Butylthiazole	37645-61-7					15.044	Evaluated - No safety concern
2-Butylthiophene	1455-20-5					15.045	Evaluated - No safety concern
3,5-Di-isobutyl-1,2,4-trithiolane	92900-67-9					15.047	Evaluated - No safety concern
3,5-Di-isopropyl-1,2,4-trithiolane	54934-99-5					15.048	Evaluated - No safety concern
2,5-Diethyl-4-methylthiazole	41981-71-9					15.050	Evaluated - No safety concern
2,5-Diethyl-4-propylthiazole	4276-68-0					15.051	Evaluated - No safety concern
2,5-Diethylthiazole	15729-76-7					15.052	Evaluated - No safety concern
3,6-Dimethyl-1,2,4,5-tetrathiane	67411-27-2					15.056	Evaluated - No safety concern
4,5-Dimethyl-2-ethylthiazole	873-64-3					15.058	Evaluated - No safety concern
2,4-Dimethyl-3-thiazoline	60755-05-7					15.060	Evaluation pending
2,5-Dimethyl-4-ethylthiazole	32272-57-4					15.061	Evaluated - No safety concern
2,4-Dimethylthiazole	541-58-2					15.062	Evaluated - No safety concern
4-Ethyl-2-methylthiazole	32272-48-3					15.067	Evaluated - No safety concern
4-Ethyl-5-methylthiazole	52414-91-2					15.069	Evaluated - No safety concern
2-Ethylthiazole	15679-09-1					15.071	Evaluated - No safety concern
5-Ethylthiophene-2-carbaldehyde	36880-33-8					15.074	Evaluated - No safety concern
2-Isopropyl-4,5-dimethylthiazole	53498-30-9					15.080	Evaluated - No safety concern
Lenthionine	292-46-6					15.081	Evaluated - No safety concern
3-Mercaptothiophene	7774-73-4					15.082	Evaluated - No safety concern
3-Methyl-1,2,4-trithiolane	51647-38-2					15.083	Evaluated - No safety concern
5-Methyl-2-pentylthiazole	86290-21-3					15.084	Evaluated - No safety concern
4-Methyl-2-propionylthiazole	13679-83-9					15.085	Evaluated - No safety concern
2-Methyl-2-thiazoline	2346-00-1					15.086	Evaluated - No safety concern
2-Methyl-3-mercaptothiophene	2527-76-6					15.087	Evaluated - No safety concern
2-Methylthiazole	3581-87-1					15.089	Evaluated - No safety concern
2-Octylthiophene	880-36-4					15.093	Evaluated - No safety concern
2-Propionylthiophene	13679-75-9					15.097	Evaluated - No safety concern
2-Propylthiazole	17626-75-4					15.098	Evaluated - No safety concern
1,2,4,5-Tetrathiane	291-22-5					15.103	Evaluated - No safety concern
2-Thiophenemethanethiol	6258-63-5					15.108	Evaluated - No safety concern
2,4,6-Trimethyl-1,3,5-trithiane	2765-04-0					15.110	Evaluated - No safety concern
1,2,4-Trithiolane	289-16-7					15.111	Evaluated - No safety concern
2-Isobutyl-4-methylthiazole	61323-24-8					15.115	Evaluated - No safety concern
2-Acetyl-4-ethylthiazole	233665-91-3					15.116	Evaluated - No safety concern
4-Butylthiazole	53833-33-3					15.118	Evaluated - No safety concern
2-Isobutyl-3-thiazoline	39800-92-5					15.119	Evaluation pending
Glycyrrhizic acid	1405-86-3					16.012	Evaluated - No safety concern
Naringin	10236-47-2					16.058	Evaluated - No safety concern
trans-2-methyl-4-propyl-1,3-oxathiane	59324-17-3					16.062	Evaluated - No safety concern
Ferric ammonium citrate	1185-57-5					16.089	Evaluated - No safety concern
Cystine	56-89-3					17.006	No safety concern - evaluation procedure not applicable
Serine	302-84-1					17.020	Evaluated - No safety concern
L-Lysine monochlorhydrate	657-27-2					17.031	No safety concern - evaluation procedure not applicable

Important remark:

Materials with an INS number (International Numbering System for Food Additives) may also be the subject of specific food additives regulations

See the table of GRL materials that also have an INS number on the next page

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Name	CAS	JECFA	JECFA - Safety Status (Link to WHO Database)	FEMA	FEMA - Safety Status (Link to FEMA Flavor Library)	FL No	EFSA - Safety Status (Link to EFSA Database)	INS
Tannic acid	1401-55-4; 72401-53-7			3042	GRAS List 3	16.080	No need for evaluation	181
Benzoic acid	65-85-0	0850	Evaluated - No safety concern	2131	GRAS List 3	08.021	Evaluated - No safety concern	210
Ethyl 4-hydroxybenzoate	120-47-8					09.367	Evaluated - No safety concern	214
Diphenyl	92-52-4	1332	Evaluated - No safety concern	3129	GRAS List 4		No longer supported for evaluation	230
2-Phenylphenol	90-43-7	0735	Evaluated - No safety concern	3959	GRAS List 19			231
Formic acid	64-18-6	0079	Evaluated - No safety concern	2487	GRAS List 3 (25)	08.001	No need for evaluation	236
Acetic acid	64-19-7	0081	Evaluated - No safety concern	2006	GRAS List 3 (29)	08.002	No need for evaluation	260
Sodium diacetate	126-96-5			3900	GRAS List 18 (29)	16.073	Evaluated - No safety concern	262(ii)
Lactic acid	50-21-5; 10326-41-7; 79-33-4	0930	Evaluated - No safety concern	2611	GRAS List 3 (29)	08.004	Evaluated - No safety concern	270
Propionic acid	79-09-4	0084	Evaluated - No safety concern	2924	GRAS List 3 (29)	08.003	No need for evaluation	280
l-Malic acid	97-67-6; 6915-15-7	0619	Evaluated - No safety concern	2655	GRAS List 3 (29)	08.017	No need for evaluation	296
Fumaric acid	110-17-8	0618	Evaluated - No safety concern	2488	GRAS List 3 (25)	08.025	No need for evaluation	297
Citric acid	77-92-9	0218	Evaluated - No safety concern	2306	GRAS List 3 (29)			330
Tartaric acid (+)-, (-), (+/-), meso-	87-69-4; 133-37-9; 147-73-9	0621	Evaluated - No safety concern	3044	GRAS List 3 (29)	08.018	No need for evaluation	334
Adipic acid	124-04-9	0623	Evaluated - No safety concern	2011	GRAS List 3 (25)	08.026	No need for evaluation	355
Ferric ammonium citrate	1185-57-5					16.089	Evaluated - No safety concern	381
Glycerol	56-81-5	0909	Evaluated - No safety concern	2525	GRAS List 3 (29)			422
Mono- and diglycerides of fatty acids	67701-32-0; 68990-53-4; 67701-33-1			4186	GRAS List 22			471
Lactylated fatty acid esters of glycerol and propylene glycol	444004-59-5; 444004-60-8			4153	GRAS List 22			472b
Citric acid ester of mono-and di-glycerides of fatty acids	97593-31-2			4307	GRAS List 23			472c
Diacetyl tartaric acid esters of mono- and diglycerides	100085-39-0; 308068-42-0			4092	GRAS List 22			472e
Polyglycerol esters of fatty acids	79665-93-3			4201	GRAS List 22 (28)			475
Propylene glycol mono- and diesters of fatty acids	1323-39-3		rejected	4208	GRAS List 22			477
Ammonium chloride	12125-02-9			4494	GRAS List 24 (29)	16.048	Evaluated - No safety concern	510
Ferrous lactate	5905-52-2; 85993-25-5			4699	GRAS List 25	16.096	Evaluated - No safety concern	585
l-Glutamic acid	56-86-0	1420	No need for evaluation - macronutrients and normal components of protein	3285	GRAS List 5 (25)			620
Maltol	118-71-8	1480	Evaluated - No safety concern	2656	GRAS List 3 (29)	07.014	Evaluated - No safety concern	636
Ethyl maltol	4940-11-8	1481	Evaluated - No safety concern	3487	GRAS List 10	07.047	Evaluated - No safety concern	637
Thaumatococin	53850-34-3			3732	GRAS List 13 (28)			957
Rebaudioside A	58543-16-1		Food additive: safe for use in food	4601	GRAS List 24 (30)	16.113	Evaluated - No safety concern	960
Rebaudioside C	63550-99-2		Food additive: safe for use in food	4720	GRAS List 25 (26)			960
Advantame	714229-20-6		Not evaluated	4716	GRAS List 25 (29)			969
Choline chloride (also includes choline)	67-48-1	2003	Evaluated - No safety concern	4500	GRAS List 24 (26)			1001
Triethyl citrate	77-93-0	0629	Evaluated - No safety concern	3083	GRAS List 3 (25)	09.512	No need for evaluation	1505
Triacetin	102-76-1	0920	Evaluated - No safety concern	2007	GRAS List 3			1518
Propylene glycol	57-55-6	0925	Evaluation discontinued	2940	GRAS List 3			1520

Glossary:

Evaluated - No safety concern	Substance fully evaluated and which does not raise any safety concern at current levels of intake when used as a flavouring agent
Evaluated for specifications only	Substance not yet fully evaluated by JECFA and considered for specifications only
Evaluation discontinued	Substance that could not be evaluated by the JECFA procedure
Evaluation pending	Substance on the priority list for review by EFSA or JECFA
Evaluation pending - additional data required	Substance for which evaluation could not be completed as further information is needed
Evaluation pending - genotoxicity cleared	Substance cleared for genotoxicity, but not yet fully evaluated
No longer supported for evaluation	Substance no longer supported by EFSA/IOFI for evaluation
No need for evaluation	Substance already evaluated in the past by JECFA, by the Scientific Committee on Food (SCF) or by the Council of Europe (CoE)
No need for evaluation - macronutrients and normal components of protein	Substance that is either a macronutrient or a normal component of proteins and for which no evaluation is needed
No need for evaluation (Genotoxicity cleared)	Substance cleared for genotoxicity and evaluated in the past by JECFA, by the Scientific Committee on Food (SCF) or by the Council of Europe (CoE)
No safety concern - evaluation procedure not applicable	Substance which could not be evaluated through the procedure for flavouring materials, but which does not raise any safety concern
Not evaluated	Substance that was not evaluated
Safety Concern (genotoxicity)	Substance that raise concern with regards to genotoxicity