



# FLAVOURS & FRAGRANCES

## CATALOGUE



The ECSA Group is a fourth generation family firm. The Group includes the **ECSA Chemicals**, **ECSA Maintenance** and **ECSA Energy** with headquarters based in **Balerna (Ticino)** and **Flawil (St. Gallen)**, the sister company **ECSA Italia** based in **Desio (Milan)** and since 2012 **Porta Ticino Easy Stop SA**.



**ECSA is today the largest Swiss owned company in the chemical distribution, specialising in following segments: Cosmetics, Pharmaceuticals, Food, Non-Essential Products & Feed, Flavours and Fragrances, Metal treatment, Water treatment, Detergents, Reagents, Paints feedstock, Textiles and Leather, Rubber and Plastics, Base chemicals.**



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## ESSENTIAL OILS

Product	Botanical source	CAS	FEMA
Anis Star	<i>Illicium verum</i>	84650-59-9	2096
Black Pepper	<i>Piper nigrum</i>	8006-82-4	2845
Camphor	<i>Cinnamomum camphora</i>	92201-50-8	4513
Cedarwood	<i>Cupressus funebris</i>	85085-29-6	2267
Cedarwood (Virginia)	<i>Juniperus virginiana</i>	8000-27-9	-
Citronella (Ceylon type)	<i>Cymbopogon nardus</i>	89998-15-2	2308
Citronella (Java type)	<i>Cymbopogon winterianus</i>	91771-61-8	2308
Clove	<i>Eugenia caryophyllata</i>	8000-34-8	2323/2324
Coriander oil	<i>Coriandrum sativum</i>	8008-52-4	2334
Curcuma longa	Turmeric oil	8024-37-1	3085
Curcuma zeodaria	Zeodaria oil	84961-49-9	3123
Eucaliptus Citriodora	<i>Eucalyptus maculata citriodora</i>	85203-56-1	2466
Eucaliptus Globulus	<i>Eucalyptus globulus</i>	8000-48-4	2466
Fennel (Sweet)	<i>Foeniculum vulgare dulce</i>	84455-29-8	2483
Garlic	<i>Allium sativum</i>	8000-78-0	2503
Geranium oil	<i>Pelargonium graveolens</i>	8000-46-2	2508
Ginger	<i>Zingiber officinale</i> root	84696-15-1	2522
Ho wood	<i>Cinnamomum camphora linalooliferum</i>	91745-89-0	-
Lavander	<i>Lavandula angustifolia</i>	8000-28-0	2622
Lavandin Gross	<i>Lavandula hybrida grosso</i>	8022-15-9	2618
Lemon	<i>Citrus limon</i>	8008-56-8	2625
Lime	<i>Citrus aurantifolia</i>	8008-26-2	2631
Litsea Cubeba	<i>Litsea cubeba</i>	90063-59-5	3846
Mint Arvensis	<i>Mentha arvensis</i>	90063-97-1	4219
Niaouli	<i>Melaleuca viridiflora</i>	132940-73-9	-
Nutmeg	<i>Myristica fragrans</i>	8008-45-3	2793
Orange (Sweet)	<i>Citrus sinensis</i>	8028-48-6	2825
Oregano	<i>Origanum vulgare</i>	8007-11-2	2828
Palmarosa	<i>Cymbopogon Martinii</i>	8014-19-5	2831
Patchouli	<i>Pogostemon cablin</i>	8014-09-3	2838
Peppermint	<i>Mentha piperita</i>	8006-90-4	2848



Product	Botanical source	CAS	FEMA
Scotch Pine	<i>Pinus sylvestris</i>	84012-35-1	-
Spearmint	<i>Mentha spicata</i>	84696-51-5	3031
Tea Tree	<i>Melaleuca alternifolia</i>	68647-73-4	3902
Vetiver	<i>Vetiveria zizanioides</i>	84238-29-9	-
Wintergreen	<i>Gaultheria procumbens</i>	119-36-8	3113

## BALSAMS AND RESINOIDES

Product	Botanical source	CAS	FEMA
Black pepper oleoresin	<i>Piper nigrum</i>	8002-56-0	2846
Capsicum oleoresin	<i>Capsicum annum</i>	84625-29-6	-
Copaiba balsam	<i>Copaifera reticulata</i>	8001-61-4	-
Nutmeg oleoresin	<i>Myristica fragrans</i>	8008-45-3	2793
Paprika oleoresin	<i>Capsicum annum</i>	84625-29-6	2834
Peru balsam	<i>Myroxylon pereirae</i>	8007-00-9	2116
Styrax gum	<i>Liquidamber styraciflua</i>	8046-19-3	3036
Tolu balsam	<i>Myroxylon toluiferum</i>	9000-64-0	3070

## NATURAL ISOLATES

Product	Botanical Source	CAS	FEMA
Anethol	Star Anis oil	4180-23-8	2086
Camphor	Cinnamomum Camphora oil	68546-28-1	2230
Carvacrol	Oreganum oil	499-75-2	2245
Carvone, L-	Spearmint oil	6485-40-1	2249
Cinnamic Aldehyde	Cassia oil	104-55-2	2286
Cis-3-Hexenol	Mint oil	928-96-1	2563
Cis-3-Hexenyl Acetate	Mentha Arvensis oil	3681-71-8	3171
Citral	Litsea Cubeba oil	5392-40-5	2303
Citronellal	Citronella oil	106-23-0	2307
Citronellol	Gernaum oil	106-22-9	2309
Eucalyptol	Eucalyptus Globulus oil	470-82-6	2465
Eugenol	Clove oil	97-53-0	2467
Lemon Terpenes	Citrus limon oil	84929-31-7	2623
Limonene, D-	Citrus Sinensis oil	5989-27-5	2633
Limonene, L-	Peppermint oil	5989-54-8	2633
Linalool	Ho Wood oil	78-70-6	2635
Linalyl Acetate	Mentha Citrata oil	115-95-7	2636
Menthol Crystal	Mentha Arvensis oil	2216-51-5	2665
Menthone	Mentha Arvensis oil	89-80-5	2667
Methyl Salicylate	Wintergreen oil	119-36-8	2745
Thymol	Ajowan oil	89-83-8	3066



## AROMA CHEMICALS

Product	Chemical name	CAS	FEMA
1-Hexanol	Hexan-1-ol	111-27-3	2567
Acetaldehyde	Ethanal	75-07-0	2003
Acetaldehyde Dihexyl Acetal	Dihexyloxy ethane	5405-58-3	-
Acetoin	3-Hydroxy-2-butanone	513-86-0	2008
Acetylmethyl Anthranilate	Methyl-2-acetylamino benzoate	2719-08-6	4170
Alcohol C 09	Nonanol	143-08-8	2789
Alcohol C 11	Undecanol	112-42-5	3097
Aldehyde C 08	Octanal	124-13-0	2797
Aldehyde C 08 DMA	Octanal dimethyl acetal	10022-28-3	2798
Aldehyde C 09	Nonanal, Pelargonic aldehyde	124-19-6	2782
Aldehyde C 10	Decanal, Capric aldehyde	112-31-2	2362
Aldehyde C 11	10-Undecenal	112-44-7	3092
Aldehyde C 11 Undecylenic	Undecanal, Undecyl aldehyde	112-45-8	3095
Aldehyde C 12	Undecenal, Lauric aldehyde	112-54-9	-
Aldehyde C 12 MNA	2-Methylundecenal	110-41-8	2749
Aldehyde C 16	Strawberry aldehyde, Strawberry glycinat	77-83-8	2444
Aldehyde C-6	Hexanal	66-25-1	2557
Allyl Amyl Glycolate	Allyl-2-pentyloxyglycolate	67634-00-8	-
Allyl Caproate	Allyl hexanoate, 2-Propenyl hexanoate	123-68-2	2032
Ambrettolide	Oxacycloheptadec-10-en-2-one	28645-51-4	2555
Ambroxide	(-)-Dodecahydrotetramethyl naphthofuran	6790-58-5	3471
Amyl 2-Methylbutyrate	Pentyl 2-methylbutanoate	68039-26-9	-
Amyl Acetate	Pentyl acetate	628-63-7	-
Amyl Benzoate	Benzoic acid pentyl ester	2049-96-9	-
Amyl Butyrate	Pentyl butanoate	540-18-1	2059
Amyl Caproate	Pentyl hexanoate	504-07-8	2074
Amyl Caprylate	Pentyl Octanoate	638-25-5	2079
Amyl Cinnamic Aldehyde, alpha-	2-Pentyl cinnamaldehyde	122-40-7	2061
Amyl Formate	Pentyl methanoate	638-49-3	2068
Amyl Heptanoate	Pentyl heptanoate	7493-82-5	2073
Amyl Isobutyrate	Pentyl-2-methylpropanoate	2445-72-9	-

Product	Chemical name	CAS	FEMA
Amyl Isovalerate	Pentyl-3-methylbutanoate	25415-62-7	-
Amyl Lactate	Pentyl-2-hydroxypropanoate	6382-06-5	-
Amyl Propionate	Pentyl propanoate	624-54-4	-
Amyl Valerate	Pentyl pentanoate	2173-56-0	-
Amyl-2-methyl Butyrate	Pentyl-2-methylbutanoate	68039-26-9	-
Amylphenyl Acetate	Pentyl-2-phenylacetate	5137-52-0	-
Anisaldehyde	4-Methoxybenzaldehyde	123-11-5	2670
Bacdanol	Sandal Fleur, 2-Ethyl-4-(2,2,3-trimethyl-1-cyclopent-3-enyl)but-2-en-1-ol	28219-61-6	-
Benzaldehyde	Benzaldehyde	100-52-7	2127
Benzaldehyde propylene-glycol acetal	4-Methyl-2-phenyl-1,3-dioxolane	2568-25-4	2130
Benzyl-2-methylbutyrate	Benzyl-2-methylbutanoate	56423-40-6	-
Benzyl Acetate	Benzyl acetate	140-11-4	2135
Benzyl Alcohol	Benzyl alcohol	100-51-6	2137
Benzyl Benzoate	Benzyl benzoate	120-51-4	2138
Benzyl Caprylate	Benzyl octanoate	10276-85-4	-
Benzyl Crotonate	Benzyl-2-butenolate	65416-24-2	-
Benzyl Isovalerate	Benzyl-3-methylbutanoate	103-38-8	2152
Benzyl Salicylate	Benzyl-2-hydroxybenzoate	118-58-1	2151
Benzyl Valerate	Benzyl pentanoate	10361-39-4	-
Butyl Caproate	Butyl hexanoate	626-82-4	2201
Butyl Caprylate	Butyl octanoate	589-75-3	-
Butyl Crotonate	Butyl-2-butenolate	7299-91-4	-
Butyl Formate	Butyl methanoate	592-84-7	2196
Butyl Heptanoate	Butyl enanthate	5454-28-4	2199
Butyl Isobutyrate	Butyl-2-methylpropanoate	97-87-0	2188
Butyl Isovalerate	Butyl-3-methylbutanoate	109-19-3	2218
Butyl Lactate	Butyl-2-hydroxypropanoate	138-22-7	2205
Butyl Propionate	Butyl propionate	590-01-2	2211
Butyl Sorbate	(E,E)-Butylhexa-2,4-dienoate	7367-78-4	-
Butyl Valerate	Butyl pentanoate	591-68-4	2217
Butyl-2-methyl Butyrate	Butyl-2-methylbutanoate	15706-73-7	3393





Product	Chemical name	CAS	FEMA
Butyl-2-methyl Valerate	Butyl-2-methylpentanoate	6297-41-2	-
Butylphenyl Acetate	Butyl-2-phenylethanoate	122-43-0	2209
Butyraldehyde Diethylacetal	1,1-Diethoxybutane	3658-95-5	-
Butyraldehyde Propylenglycol Acetal	4-Methyl-2-propyl-1,3-dioxolane	4352-99-2	-
Camphor	Bornan-2-one	76-22-2	2230
Cedrol	(3,3a,6,7,8)-Octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-6-ol	77-53-2	4503
Cinnamaldehyde	3-Phenyl-2-propenal	104-55-2	2286
Cinnamyl Isobutyrate	3-Phenyl-2-propenyl isobutyrate	103-589-3	2297
Citral	3,7-Dimethylocta-2,6-dienal	5392-40-5	2303
Citronellal	3,7-Dimethyl-6-octenal	106-23-0	2307
Citronellol	3,7-Dimethyl-6-octenol	106-22-9	2309
Citronellyl Acetate	3,7-Dimethyloct-6-enyl acetate	150-84-5	2311
Citronellyl Butyrate	3,7-Dimethyl-oct-6-enyl butanoate	1551-44-6	2351
Citronellyl Crotonate	3,7-Dimethyl-6-octenyl 2-butenate	68039-38-3	-
Citronellyl Formate	3,7-Dimethyloct-6-enyl methanoate	105-85-1	2314
Citronellyl Isovalerate	3,7-Dimethyl-oct-6-enyl-3-methylbutanoate	68922-10-1	-
Citronellyl Nitrile	3,7-Dimethyl-6-octene nitrile	51566-62-2	-
Citronellyl Propionate	3,7-Dimethyloct-6-enyl propanoate	141-14-0	2354
Citronellyl Senecionate	3,7-Dimethyloct-6-enyl 3-methylbut-2-enoate	20770-40-5	-
Citronellyl Valerate	3,7-Dimethyloct-6-enyl pentanoate	7540-53-6	2317
Citronellyl-2-methyl Butyrate	3,7-Dimethyloct-6-enyl-2-methylbutanoate	85409-36-5	-
Coumarin	2H-Benzopyran-2-one	91-64-5	-
Cyclamen Aldehyde	3-(4-Propylphenyl)-2-methylpropionaldehyde	103-95-7	2743
Cyclohexyl Acetate	Cyclohexyl ethanoate	622-45-7	2349
Cyclohexyl butyrate	Cyclohexyl butanoate	1551-44-6	2351
Cyclohexyl Isobutyrate	Cyclohexyl-2-methylpropanoate	1129-47-1	
Cyclohexyl Isovalerate	Cyclohexyl-3-methylbutanoate	7774-44-9	2355
Cyclohexyl Propionate	Cyclohexyl propanoate	6222-35-1	2354
Cyclohexylphenyl Acetate	Cyclohexyl-2-phenylacetate	42288-75-5	-

Product	Chemical name	CAS	FEMA
Damascenone, beta-	Trimethyl-1,3-(2,6,6-cyclohexadienyl)-2-butenone	23696-85-7	3420
Decyl Acetate	Decyl ethanoate	112-17-4	2367
Decyl Butyrate	Decyl butanoate	5454-09-1	2368
Delta-Decalactone	5-Pentyl-5-pentanolide, Pentyl-3H-4,5,6-trihydropyran-2-one	705-86-2	2361
Diemethyl Malonate	1,3-Dimethyl propanedioate	108-59-8	-
Diethyl Adipate	1,6-Diethyl hexanedioate	141-28-6	-
Diethyl Malonate	Diethyl-propan-1,3-dioate	105-53-3	2375
Diethyl Phthalate	1,2-Benzenedicarboxylic acid diethyl ester	84-66-2	-
Dihydromyrcenol	2,6-Dimethyl-7-octen-2-ol	18479-58-8	-
Diisobutyl Adipate	bis-(2-Methylpropyl) hexanedioate	141-04-8	4475
Dimethyl Anthranilate	Methyl-2-amino-3-methylbenzoate	85-91-6	2718
Dimethyl Myrcetone	Patchouli ethanone, Amber Fleur	54464-57-2	-
Diphenyl Oxide	Diphenyl ether	101-84-8	3667
Dipropylene Glycol (DPG)	Dimethyl diethylene glycol	25265-71-8	-
Ethyl Acetoacetate	Ethoxybutan-1,3-dione	141-97-9	2415
Ethyl Butyrate	Ethyl butanoate	105-54-4	2427
Ethyl Caprate	Ethyl decanoate	110-38-3	2432
Ethyl Caprylate	Ethyl octanoate	106-32-1	2449
Ethyl Crotonate	(E)-Ethyl 2-butenolate	623-70-1	2240
Ethyl Deca-2,4-dienoate	Ethyl-2,4-decadienoate	3025-30-7	3148
Ethyl Heptanoate	Ethyl enanthate	106-30-9	2437
Ethyl Hex-3-enoate	Ethyl-3-hexenoate	2396-83-0	3342
Ethyl Isobutyrate	Ethyl-2-methylpropanoate	97-62-1	2428
Ethyl Lactate	Ethyl-2-hydroxypropanoate	97-64-3	2440
Ethyl Laurate	Ethyl dodecanoate	106-33-2	2441
Ethyl Levulinate	Ethyl-4-oxopentanoate	539-88-8	2442
Ethyl Maltol	3-Hydroxy-2-ethyl-4H-pyran-4-one	4940-11-8	3487
Ethyl Myristate	Ethyl tetradecanoate	124-06-1	2445
Ethyl Pelargonate	Ethyl nonanoate	123-29-5	2447
Ethyl Pivalate	Ethyl-2,2-dimethylpropanoate	3938-95-2	-
Ethyl Propionate	Ethyl propanoate	105-37-3	2456



Product	Chemical name	CAS	FEMA
Ethyl Senecionate	Ethyl-3-methylbut-2-enoate	638-10-8	-
Ethyl Sorbate	Ethyl-2,4-hexadienoate	110318-09-7	-
Ethyl Tiglate	(E)-Ethyl-2-methyl-2-butenoate	5837-78-5	2185
Ethyl undecylate	Ethyl undecanoate	627-90-7	3492
Ethyl Valerate	Ethyl pentanoate	239-82-2	2462
Ethyl Vanillin	4-Hydroxy-3-ethoxybenzaldehyde	121-32-4	2464
Ethyl-2-methyl Butyrate	Ethyl-2-methylbutanoate	7452-79-1	2443
Ethyl-2-methyl Valerate	Ethyl-2-methylpentanoate	39255-32-8	3488
Ethylacetoacetate Ethylene Glycol Acetal	Ethyl-2-methyl-1,3-dioxolane-2-acetate	6413-10-1	-
Ethylcaproate	Ethyl Hexanoate	123-66-0	2439
Ethylphenyl Acetate	Ethyl-2-phenylethanoate	101-97-3	2452
Gamma-Decalactone	4-Decanolide, 5-Hexyl-tetrahydro-2-furanone	706-14-9	2360
Gamma-Dodecalactone	4-Dodecanolide, 5-Octyl-dihydro-2-furanone	2305-05-7	2400
Gamma-Heptalactone	4-Heptanolide, 5-Propyl-dihydro-2-furanone	105-21-5	2539
Gamma-Nonalactone	Aldehyde C18, 4-Nonanolide	104-61-0	2781
Gamma-Octalactone	4-Octanolide	104-50-7	2796
Gamma-Undecalactone	Aldehyde C 14, 4-Undecanolide	104-67-6	3091
Ganolide	Musk Indane, 1-(2,3-Dihydro-1,1,2,3,3,6-hexamethyl-1H-inden-5-yl) ethanone	15323-35-0	-
Geraniol	(E)-3,7-Dimethyl-2,7-octadienol	106-24-1	2507
Geranyl Acetate	(E)-3,7-Dimethyl-2,6-octadienyl acetate	105-87-3	2509
Geranyl Butyrate	(E)-3,7-Dimethyl-2,6-octadienyl butanoate	106-29-6	2512
Geranyl Crotonate	(E)-3,7-Dimethyl-2,6-octadienyl-2-butenoate	56172-46-4	-
Geranyl Isobutyrate	(E)-3,7-Dimethyl-2,6-octadienyl-2-methyl propanoate	2345-26-8	2513
Grapelione	Terpene mercaptans	91770-81-9	-
Helional	2-Methyl-3-(3,4-methylenedioxyphenyl)propanal	1205-17-0	-
Heptanal Diethylacetal	1,1-Diethoxyheptane	688-82-4	-
Heptyl Acetate	Heptyl ethanoate	112-06-1	2547
Heptyl Butyrate	Heptyl butanoate	5870-93-9	2549
Heptyl Caprylate	Heptyl octanoate	4265-97-8	2553

Product	Chemical name	CAS	FEMA
Heptyl Crotonate	Heptyl-2-butenolate	16930-99-7	-
Heptyl Formate	Heptyl methanoate	112-23-2	2552
Heptyl Isobutyrate	Heptyl-2-methylpropanoate	2349-13-5	2550
Heptyl Valerate	Heptyl pentanoate	5451-80-9	-
Hexanal Diethyl Acetal	1,1-Diethoxyhexane	3658-93-3	-
Hexanal Dimethylacetal	1,1-Dimethoxyhexane	1599-47-9	-
Hexanal Propylenglycol Acetal	4-Methyl-2-pentyl dioxolane	1599-49-1	3630
Hexen-3-yl Benzoate	[Z]-3-Hexenyl benzoate	25125-85-6	3688
Hexen-3-yl Butyrate	[Z]-3-Hexenyl butanoate	16491-36-4	3402
Hexen-3-yl Caproate	[Z]-3-Hexenyl hexanoate	31501-11-8	3403
Hexen-3-yl Crotonate	3-Hexenyl-2-butenolate	65405-80-3	3982
Hexen-3-yl Isobutyrate	[Z]-3-Hexenyl-2-methylpropanoate	41519-23-7	3929
Hexen-3-yl Isovalerate	[Z]-3-Hexenyl-3-methylbutanoate	35154-45-1	3498
Hexen-3-yl Methyl Carbonate	[Z]-Hexenyl methyl carbonate	67633-96-9	-
Hexen-3-yl Propionate	[Z]-3-Hexenyl propanoate	33467-74-2	3933
Hexen-3-yl Senecionate	3-Hexenyl-3-methyl isocrotonate	65416-28-6	-
Hexen-3-yl Valerate	[Z]-3-Hexenyl pentanoate	35852-46-1	3936
Hexen-3-ol	Cis-3-Hexenol	928-96-1	2563
Hexen-3-yl Acetate	Cis-3-Hexenyl acetate	3681-71-8	3171
Hexenyl-2-methyl Butyrate	[Z]-3-hexenyl 2-methylbutanoate	53398-85-9	3497
Hexyl Acetate	Hexyl ethanoate	142-92-7	2565
Hexyl Butyrate	Hexyl butanoate	2939-63-6	2568
Hexyl Caproate	Hexyl hexanoate	6378-65-0	2572
Hexyl Cinnamic Aldehyde, alpha-	2-Benzylideneoctanal	101-86-0	2569
Hexyl Crotonate	Hexyl-2-butenolate	19089-92-0	3354
Hexyl Formate	Hexyl methanoate	629-33-4	2570
Hexyl Isobutyrate	Hexyl-2-methylpropanoate	2349-07-7	3172
Hexyl Isovalerate	Hexyl-3-methylbutanoate	10032-13-0	3500
Hexyl Lactate	Hexyl-2-hydroxypropanoate	20279-51-0	-
Hexyl Tiglate	Hexyl-2-methylbut-2-enoate	16930-96-4	-
Hexyl Valerate	Hexyl pentanoate	1117-59-5	-
Hexyl-2-methyl Butyrate	Hexyl-2-methylbutanoate	10032-15-2	2499



Product	Chemical name	CAS	FEMA
Hexylphenyl Acetate	Hexylphenyl ethanoate	5421-17-0	3457
Indole	2,3-Benzopyrrole	120-72-9	2593
Ionone, alpha-	4-(2,2,6)-Trimethyl-2-cyclohexenyl)-3-buten-2-ol	127-41-3	2594
Ionone, beta-	4-(2,2,6)-Trimethyl-1-cyclohexenyl)-3-buten-2-ol	14901-07-6	2595
Isoamyl Acetate	3-Methylbutyl ethanoate	123-92-2	2055
Isoamyl Butyrate	3-Methylbutyl butanoate	106-27-4	2060
Isoamyl Caprate	3-Methylbutyl decanoate	2306-91-4	-
Isoamyl Caproate	3-Methylbutyl hexanoate	2198-61-0	2075
Isoamyl Caprylate	3-Methylbutyl octanoate	2035-99-6	2080
Isoamyl Cinnamate	3-Methyl butyl-3-phenyl prop-2-enoate	7779-65-9	2063
Isoamyl Crotonate	3-Methylbutyl-2-butenolate	25415-77-4	-
Isoamyl Formate	3-Methylbutyl methanoate	110-45-2	2069
Isoamyl Heptanoate	3-Methylbutyl heptanoate	109-25-1	-
Isoamyl Isobutyrate	3-Methylbutyl-2-methylpropanoate	2050-01-3	3507
Isoamyl Isovalerate	3-methylbutyl 3-methylbutanoate	659-70-1	2085
Isoamyl Lactate	3-Methylbutyl-2-hydroxypropanoate	19329-89-6	-
Isoamyl Pelargonate	3-Methylbutyl nonanoate	7779-70-6	2078
Isoamyl Propionate	3-Methylbutyl propanoate	105-68-0	2082
Isoamyl Senecionate	3-Methylbutyl-3-methylbut-2-enoate	56922-73-7	-
Isoamyl Valerate	3-Methylbutyl pentanoate	2050-09-1	-
Isoamyl-2-methyl Butyrate	Isoamyl-2-methylbutanoate	27625-35-0	3505
Isoamylphenyl Acetate	3-Methyl butyl-2-phenylacetate	102-19-2	2081
Isobornyl Acetate	1,7,7-Trimethylbicyclo[2.2.1]hept-2-yl acetate	125-12-2	2160
Isobutyl Benzoate	2-Methylpropyl benzoate	120-50-3	2185
Isobutyl Butyrate	2-Methyl propyl butanoate	539-90-2	2187
Isobutyl Caproate	2-Methylpropyl hexanoate	105-79-3	2202
Isobutyl Crotonate	2-Methylpropyl-2-butenolate	589-66-2	3432
Isobutyl Formate	2-Methylpropyl methanoate	512-55-2	2197
Isobutyl Heptanoate	2-Methylpropyl enanthate	7779-80-8	2200
Isobutyl Isobutyrate	2-Methyl propyl-2-methylpropanoate	97-85-8	2189
Isobutyl Isovalerate	2-Methylpropyl-3-methylbutanoate	589-59-3	3369

Product	Chemical name	CAS	FEMA
Isobutyl Pelargonate	2-Methylpropyl nonanoate	30982-03-7	-
Isobutyl Propionate	2-Methylpropyl propanoate	540-42-1	2212
Isobutyl Valerate	2-Methylpropyl pentanoate	10588-10-0	-
Isobutyl-2-methyl Butyrate	2-Methylpropyl-2-methylbutanoate	2445-67-2	-
Isobutyric Acid	2-Methylpropanoic acid	79-31-2	2222
Isodecyl Acetate	8-Methylnonyl acetate	69103-24-8	-
Isoeugenol	2-Methoxy-4-propenyl phenol	97-54-1	2468
Isononal Diethylacetal	1,1-Diethoxy-3,5,5-trimethylhexane	86198-35-8	-
Isononal Dimethylacetal	1,1-Dimethoxy-3,5,5-trimethylhexane	72894-13-4	-
Isononal Methylantranilate	Methyl trimethyl hexylidene aminobenzoate	67801-42-7	-
Isononyl Acetate	3,5,5-Trimethylhexyl ethanoate	58430-94-7	2788
Isononyl Aldehyde	3,5,5-Trimethyl capronaldehyde	5435-64-3	3524
Isooctanal Diethylacetal	1,1-Diethoxyisooctane	69178-43-4	-
Isopropyl Butyrate	Methylethyl butanoate	638-11-9	2935
Isopropyl Caproate	Methylethyl hexanoate	2311-46-8	2950
Isopropyl Formate	Methylethyl methanoate	625-55-8	2944
Isopropyl Isobutyrate	Methylethyl-2-methylpropanoate	617-50-5	2937
Isopropyl Isovalerate	Methylethyl-3-methylbutanoate	32665-23-9	2961
Isopropyl Propionate	Methylethyl propanoate	637-78-5	2959
Isopropyl Tiglate	Methylethyl-2-methyl-2-butenate	1733-25-1	3229
Isopropyl Valerate	Methylethyl pentanoate	18362-97-5	-
Isopropyl-2-methylbutyrate	1-Methylethyl-2-methylbutanoate	66576-71-4	3699
Isopropylphenyl Acetate	Propan-2-yl-phenylacetate	4861-85-2	2956
Isotridecyl Acetate	11-Methyldodecyl ethanoate	69103-23-7	-
Isotridecyl Alcohol	11-Methyldodecanol	68526-86-3	-
Lauryl Acetate	Dodecyl ethanoate	112-66-3	2616
Lilial Methyl anthranilate	4-tert-Butyl-alpha-methyl hydrocinnamal	91-51-0	-
Linalool	3,7-Dimethyl-1,6-octadien-3-ol	78-70-6	2635
Linalyl Acetate	3,7-Dimethyl-1,6-octadien-3-yl acetate	115-95-7	2636
Maltol	3-Hydroxy-2-ethyl-4H-pyran-4-one	118-71-8	2656
Maltol Acetate	2-Methyl-4-oxo-4H-pyran-3-yl acetate	28787-36-2	-
Maltol Butyrate	2-Methyl-4-oxo-4H-pyran-3-yl butyrate	67860-01-9	-



Product	Chemical name	CAS	FEMA
Maltol Isobutyrate	2-Ethyl-4-oxopyran-3-yl-2-methylpropanoate	65416-14-0	-
Melon Heptenal	2,6-dimethylhept-5-enal	106-72-9	2389
Menthyl Acetate	5-Methyl-2-propan-2-ylcyclohexyl acetate	29066-34-0	2668
Methyl 3-Nonenoate	3-Methyl nonenoate	13481-87-3	3710
Methyl Antranilate	2-Methoxycarbonyl aniline	134-20-3	2682
Methyl Benzoate	Benzoic acid methyl ester	93-58-3	2683
Methyl Butyrate	Methyl butanoate	623-42-7	2693
Methyl Caprate	Methyl decanoate	110-42-9	-
Methyl Caproate	Methyl hexanoate	106-70-7	2708
Methyl Caprylate	Methyl octanoate	111-11-5	2728
Methyl Cedryl Ketone	1-Cedr-8-en-9-yl ethanone	32388-55-9	-
Methyl Crotonate	Methyl-2-butenolate	623-43-8	-
Methyl Dihydro Jasmonate	Methyl-2-pentyl-3-oxo-1-cyclopentyl acetate	24851-98-7	3408
Methyl Eugenol	1,2-Dimethoxy-4-allyl benzene	93-15-2	2475
Methyl Heptanoate	Methyl enanthate	106-73-0	2705
Methyl Ionone	4,2,6,6-Trimethyl-2-cyclohexen-1-yl-3-methyl-3-buten-2-one, Gammanolene, Isoraldeine	127-51-5	2714
Methyl Isobutyrate	Methyl-2-methylpropanoate	547-63-7	2694
Methyl Isoeugenol	1,2-Dimethoxy-4-propenyl benzene	93-16-3	2476
Methyl Isovalerate	Methyl-3-methylbutanoate	556-24-1	2753
Methyl Myristate	Methyl tetradecanoate	124-10-7	2722
Methyl Perlargonate	Methyl nonanoate	1731-84-6	2724
Methyl Pivalate	Methyl-2,2-dimethylpropanoate	598-98-1	-
Methyl Sorbate	Methyl-2,4-hexadienoate	1515-80-6	3714
Methyl Undecylate	Methyl undecanoate	1731-86-8	-
Methyl Valerate	Methyl pentanoate	624-24-8	2752
Methyl-2-butyl Acetate	2-Methylbutyl ethanoate	624-41-9	3644
Methyl-2-butyl Butyrate	2-Methylbutyl butanoate	51115-64-1	-
Methyl-2-butyl Caproate	2-Methylbutyl hexanoate	2601-13-0	-
Methyl-2-butyl Isobutyrate	2-Methylbutyl-2-methylpropanoate	2445-69-4	-

Product	Chemical name	CAS	FEMA
Methyl-2-butyl Isovalerate	2-Methylbutyl-3-methylbutanoate	2445-77-4	3506
Methyl-2-butyl Propionate	Methyl-2-butylpropanoate	2438-20-2	-
Methyl-2-butylmethyl Butyrate	2-Methylbutyl-2-methylbutanoate	2445-78-5	3359
Methyl-2-butyric Acid	2-Methylbutanoic acid	116-53-0	2695
Methyl-2-methyl Butyrate	Methyl-2-methylbutanoate	868-57-5	2719
Methyl-2-methyl Valerate	Methyl-2-methylpentanoate	2177-77-7	3707
Methylbenzyl Acetate	4-Methylbenzyl ethanoate	2216-45-7	-
Methylcinnamate	Methyl (E)-3-Phenylprop-2-enoate	103-26-4	2698
Methylisobutylcarbiny Crotonate	(E)-4-Methylpentan-2-yl-but-2-enoate	35206-51-0	-
Methylphenyl Acetate	Methylphenyl ethanoate	101-41-7	2733
Musk G	1,3,4,6,7,8-Hexahydrohexamethyl cyclopentabenzopyran	84-66-2	-
Musk Ketone	1-Acetyl-4-(tert-butyl)-2,6-dimethyl-3,5-dinitrobenzene	81-14-1	-
Musk T - Ethylene Brassylate	1,4-Dioxacycloheptadecane-5,17-dione	105-95-3	3543
Myrcene	2-Methyl-6-methylene-2,7-octadiene	123-35-3	2762
Neroline Bromelia	2-Ethoxynaphthalene	93-18-5	2768
Neroline Yara Yara	2-Naphthyl methyl ether	93-04-9	4704
Neryl Acetate	[Z]-3,7-Dimethyl-2,6-octadienyl ethanoate	141-12-8	2773
Neryl Butyrate	[Z]-3,7-Dimethyl-2,6-octadienyl butanoate	99-40-6	2774
Neryl Isobutyrate	[Z]-3,7-Dimethyl-2,6-octadienyl-2-methyl propanoate	2345-24-6	2775
Neryl Propionate	[Z]-3,7-Dimethyl-2,6-octadienyl propanoate	105-91-9	2777
Octyl Acetate	Octyl ethanoate	112-14-1	2806
Octyl Butyrate	Octyl butanoate	110-39-4	2807
Octyl Crotonate	Octyl-2-butenate	22871-79-9	
Octyl Formate	Octyl methanoate	112-32-3	2809
Octyl Heptanoate	Octyl enanthate	5132-75-2	2810
Octyl Isobutyrate	Octyl-2-methylpropanoate	109-15-9	2808
Octyl Isovalerate	Octyl-3-methylbutyrate	7786-58-5	2814
Octyl Propionate	Octyl propanoate	142-60-9	2813
Octyl-2-methyl Butyrate	Octyl-2-methylbutanoate	29811-50-5	3604





Product	Chemical name	CAS	FEMA
OTBCHA	2-(1,1-Dimethylethyl)-cyclohexanol acetate	88-41-5	-
Para-Cymene	4-Methyl-1-methylethyl benzene	99-87-6	2356
Phenyl-3-propyl Acetate	3-Phenyl-1-propyl acetate	122-72-5	2890
Phenyl-3-propyl Crotonate	3-Phenylpropyl-2-butenolate	68922-07-6	-
Phenyl-3-propyl Isovalerate	3-Phenylpropyl-3-methylbutanoate	5452-07-3	2899
Phenylethyl Acetate	Phenethyl ethanoate	103-45-7	2857
Phenylethyl Alcohol	2-Phenyl ethanol	60-12-8	2858
Phenylethyl Benzoate	Benzoic acid 2-phenylethyl ester	94-47-3	2860
Phenylethyl Butyrate	2-Phenylethyl butanoate	103-52-6	2861
Phenylethyl Caprylate	Phenylethyl octanoate	5457-70-5	3222
Phenylethyl Crotonate	Phenylethyl-2-butenolate	68141-20-8	-
Phenylethyl Heptanoate	Phenylethyl enanthate	5454-11-5	-
Phenylethyl Isovalerate	2-Phenylethyl-3-methylbutyrate	140-26-1	2871
Phenylethyl Pivalate	2-Phenylethyl-2,2-dimethylpropanoate	67662-96-8	-
Phenylethyl Propionate	Styryl propyl propanoate	120-45-6	2689
Phenylethyl Senecionate	2-Phenylethyl-3-methyl-2-butenolate	42078-65-9	2869
Phenylethyl Valerate	2-Phenylethyl pentanoate	7460-74-4	-
Phenylethyl-2-methyl Butyrate	Propyl 2-methylbutanoate	37064-20-3	-
Pinene, alpha-	(1S,5S)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	7785-26-4	2902
Pinene, beta-	7,7-Dimethyl-4-methylidenebicyclo[3.1.1]heptane	127-91-3	2903
Propyl Acetate	Propyl ethanoate	109-60-4	2925
Propyl Benzoate	Benzoic acid propyl ester	2315-68-6	2931
Propyl Butyrate	Propyl butanoate	105-66-8	2934
Propyl Caprate	Propyl decanoate	30673-60-0	-
Propyl Caproate	Propyl hexanoate	626-77-7	2949
Propyl Caprylate	Propyl octanoate	624-13-5	-
Propyl Crotonate	Propyl-2-butenolate	10352-87-1	-
Propyl Formate	Propyl methanoate	110-74-7	2943
Propyl Heptanoate	Propyl enanthate	7778-87-2	2648
Propyl Isovalerate	Propyl-3-methylbutanoate	557-00-6	2960

Product	Chemical name	CAS	FEMA
Propyl Lactate	propyl 2-hydroxypropanoate	616-09-1	-
Propyl Pelargonate	Propyl nonanoate	6513-03-7	-
Propyl Propionate	Propyl propanoate	106-36-5	2958
Propyl Valerate	Propyl pentanoate	141-06-0	-
Propyl-2-methyl Butyrate	Propyl-2-methylbutyrate	37064-20-3	-
Propylenglycol (PG)	1,2-Propanediol	57-55-6	2940
Propylphenyl Acetate	Phenylacetic acid propyl ester	4606-15-9	2955
PTBCHA	4-(1,1-Dimethylethyl)-cyclohexanol acetate	32210-23-4	-
Raspberry Ketone	4-(4-Hydroxyphenyl)-2-butanone	5471-51-2	2588
Rosacetol	2,2,2-Trichloro-1-phenyl ethyl acetate	90-17-5	-
Sandenol	3-[5,5,6-Trimethylbicyclo[2.2.1]-2-heptyl]-cyclohexanol	66068-84-6	-
Strawberry Furanone	2,5-Dimethyl-4-hydroxy-2,3-dihydro-3-furanone	3658-77-3	3174
Styrallyl Acetate	1-Phenylethyl acetate	93-92-5	2684
Terpinyl Acetate	Methyl-1-(4-methylcyclohex-3-enyl)ethyl acetate, p-Menthen-8-ol acetate	80-26-2	3047
Terpinene, gamma-	1-Methyl-4-isopropyl-1,4-cyclohexadiene, p-Mentha-1,4-diene	99-85-4	3559
Terpineol P.G.	Methyl-1-(4-methylcyclohex-3-enyl)-ethylethanoate	98-55-5	3045
Terpinolene	Methyl-4-(1-methylethylidene)-1-cyclohexene	586-62-9	3046
Tetrahydromyrcenol	Methyl-4-(1-methylethylidene)cyclohexene	18479-57-7	-
Thiogeraniol	(E)-3,7-Dimethyl-2,6-octadien-1-thiol	39067-80-6	3472
Thymol	5-Methyl-2,1-methylethyl phenol	89-83-8	3066
Vanillin Isobutyrate	3-Methoxy-4-isobutyryl benzaldehyde	20665-85-4	3754
Vanilline	4-Hydroxy-5-methoxy benzaldehyde	121-33-5	3107
Valeraldehyde Diethylacetal	1,1-Diethoxy pentane	3658-79-5	-
Verdyl Acetate	Tricyclo[5.2.1.0 <sup>2,6</sup> ]dec-3-en-8-yl acetate	5413-60-5	-
Verdyl Propionate	Tricyclo[5.2.1.0 <sup>2,6</sup> ]dec-3-enyl propionate	17511-60-3	-
Vertenol	3-Methyl-2-butenol	556-82-1	3647



FOOD		
Product	E-Number	Function
Acesulfame k	E950	Sweetener
Acetic Acid	E260	Preservative, acidity regulator
Ascorbic Acid	E300	Antioxidant
Ascorbylpalmitat	E304(i)	Antioxidant
Aspartame Granulat / Pulver	E951	Sweetener
Calcium lactate	E327	Acidity regulator
Citric Acid	E330	Antioxidant
Coffein	-	Stimulant
Dextrose monohydrate	-	Sweetener
Diacetine	E1517	Flavour solvent
Ethyl Acetate	E1504	Flavour solvent
Fructose	-	Sweetener
Glycerine 86.5% / 99.5%	E422	Humectant, solvent
Lactic acid 80%, 90%, HS	E270	Preservative, antioxidant, acid
Malic acid	E296	Acidity regulator, acid
Maltodextrine Series DE5 - DE20	-	Sweeteners
Monosodium glutamate	E621	Flavour enhancer
Potassium sorbate	E202	Preservative
Propylene glycol (PG)	E1520	Humectant, solvent
Sodium ascorbate	E301	Antioxidant
Sodium citrates	E331(i), E331(iii)	Acidity regulator
Sodium Cyclamat	E952	Sweetener
Sodium Saccharine	E954	Sweetener
Sorbitol	E420(i), E420(ii)	Sweetener, emulsifier, humectant
Sucralose	E955	Sweetener
Tartaric acid	E334	Acid
Triacetine	E1518	Flavour solvent

## COSMETICS

Product	Chemical Name	CAS
Ceteareth Series	C16-18 alcohols, ethoxylated (different mol EO - average molar ratio)	68439-49-6
Laureth Series	Polyoxyethers of lauryl alcohol, different mol EO	9002-92-0
Peg 40 Hydrogenated castor oil	Castor oil, hydrogenated, ethoxylated	61788-85-0
Peg 60 Hydrogenated castor oil	Castor oil, hydrogenated, ethoxylated	61788-85-0
PEG-100 stearate	Poly(oxy-1,2-ethanediyl),alpha.-(1-oxooctadecyl)-omega.-hydroxy	9004-99-3
PEG-20 stearate	Poly(oxy-1,2-ethanediyl),alpha.-(1-oxooctadecyl)-omega.-hydroxy	9004-99-3
Polysorbate 20	Polyoxyethylene (20) sorbitan monolaurate	9005-64-5
Polysorbate 40	Polyoxyethylene Sorbitan Monopalmitate	9005-66-7
Polysorbate 60	Polyoxyethylene (20) sorbitan monostearate	9005-67-8
Polysorbate 80	Polyoxyethylene (20) sorbitan monooleate	9005-65-6
Sorbitan Laurate	-	1338-39-2
Sorbitan Oleate	Sorbitan, mono-9-octadecenoate	1338-43-8
Sorbitan Palmitate	-	26266-57-9
Sorbitan Stearate	Sorbitan, monooctadecanoate	1338-41-6
Steareth Series	Poly(oxy-1,2-ethanediyl),alpha.- octadecyl-omega.-hydroxy	9005-00-9

# ALPHABETICAL INDEX

1-Hexanol	7	Benzyl Benzoate	8	Citronellyl Acetate	9
Acesulfame k	19	Benzyl Caprylate	8	Citronellyl Butyrate	9
Acetaldehyde	7	Benzyl Crotonate	8	Citronellyl Crotonate	9
Acetaldehyde Dihexyl Acetal	7	Benzyl Isovalerate	8	Citronellyl Formate	9
Acetic Acid	19	Benzyl Salicylate	8	Citronellyl Isovalerate	9
Acetoin	7	Benzyl Valerate	8	Citronellyl Nitrile	9
Acetylmethyl Anthranilate	7	Benzyl-2-methylbutyrate	8	Citronellyl Propionate	9
Alcohol C 09	7	Black Pepper	4	Citronellyl Senecionate	9
Alcohol C 11	7	Black pepper oleoresin	5	Citronellyl Valerate	9
Aldehyde C 08	7	Butyl Caproate	8	Citronellyl-2-methyl Butyrate	9
Aldehyde C 08 DMA	7	Butyl Caprylate	8	Clove	4
Aldehyde C 09	7	Butyl Crotonate	8	Coffein	19
Aldehyde C 10	7	Butyl Formate	8	Copaiba balsam	5
Aldehyde C 11	7	Butyl Heptanoate	8	Coriander oil	4
Aldehyde C 11 Undecylenic	7	Butyl Isobutyrate	8	Coumarin	9
Aldehyde C 12	7	Butyl Isovalerate	8	Curcuma longa	4
Aldehyde C 12 MNA	7	Butyl Lactate	8	Curcuma zeodaria	4
Aldehyde C 16	7	Butyl Propionate	8	Cyclamen Aldehyde	9
Aldehyde C-6	7	Butyl Sorbate	8	Cyclohexyl Acetate	9
Allyl Amyl Glycolate	7	Butyl Valerate	8	Cyclohexyl butyrate	9
Allyl Caproate	7	Butyl-2-methyl Butyrate	8	Cyclohexyl Isobutyrate	9
Ambrettolide	7	Butyl-2-methyl Valerate	9	Cyclohexyl Isovalerate	9
Ambroxide	7	Butylphenyl Acetate	9	Cyclohexyl Propionate	9
Amyl 2-Methylbutyrate	7	Butyraldehyde Diethylacetal	9	Cyclohexylphenyl Acetate	9
Amyl Acetate	7	Butyraldehyde Propylenglycol Acetal	9	Damascenone, beta-	10
Amyl Benzoate	7	Calcium lactate	19	Decyl Acetate	10
Amyl Butyrate	7	Camphor	4	Decyl Butyrate	10
Amyl Caproate	7	Camphor	6	Delta-Decalactone	10
Amyl Caprylate	7	Camphor	9	Dextrose monohydrate	19
Amyl Cinnamic Aldehyde, alpha-	7	Capsicum oleoresin	5	Diacetine	19
Amyl Formate	7	Carvacrol	6	Diethyl Malonate	10
Amyl Heptanoate	7	Carvone, L-	6	Diethyl Adipate	10
Amyl Isobutyrate	7	Cedarwood	4	Diethyl Malonate	10
Amyl Isovalerate	8	Cedarwood (Virginia)	4	Diethyl Phthalate	10
Amyl Lactate	8	Cedrol	9	Dihydromyrcenol	10
Amyl Propionate	8	Cetareth Series	20	Diisobutyl Adipate	10
Amyl Valerate	8	Cinnamaldehyde	9	Dimethyl Anthranilate	10
Amyl-2-methyl Butyrate	8	Cinnamic Aldehyde	6	Dimethyl Myrcetone	10
Amylphenyl Acetate	8	Cinnamyl Isobutyrate	9	Diphenyl Oxide	10
Anethol	6	Cis-3-Hexenol	6	Dipropylene Glycol (DPG)	10
Anis Star	4	Cis-3-Hexenyl Acetate	6	Ethyl Acetate	19
Anisaldehyde	8	Citral	6	Ethyl Acetoacetate	10
Ascorbic Acid	19	Citral	9	Ethyl Butyrate	10
Ascorbylpalmitat	19	Citric Acid	19	Ethyl Caprate	10
Aspartame Granulat / Pulver	19	Citronella (Ceylon type)	4	Ethyl Caprylate	10
Bacdanol	8	Citronella (Java type)	4	Ethyl Crotonate	10
Benzaldehyde	8	Citronellal	6	Ethyl Deca-2,4-dienoate	10
Benzaldehyde propyleneglycol acetal	8	Citronellal	9	Ethyl Heptanoate	10
Benzyl Acetate	8	Citronellol	6	Ethyl Hex-3-enoate	10
Benzyl Alcohol	8	Citronellol	9	Ethyl Isobutyrate	10

Ethyl Lactate	10	Hexanal Propylenglycol Acetal	12	Isobutyl Crotonate	13
Ethyl Laurate	10	Hexen-3-ol	12	Isobutyl Formate	13
Ethyl Levulinate	10	Hexen-3-yl Acetate	12	Isobutyl Heptanoate	13
Ethyl Maltol	10	Hexen-3-yl Benzoate	12	Isobutyl Isobutyrate	13
Ethyl Myristate	10	Hexen-3-yl Butyrate	12	Isobutyl Isovalerate	13
Ethyl Pelargonate	10	Hexen-3-yl Caproate	12	Isobutyl Pelargonate	14
Ethyl Pivalate	10	Hexen-3-yl Crotonate	12	Isobutyl Propionate	14
Ethyl Propionate	10	Hexen-3-yl Isobutyrate	12	Isobutyl Valerate	14
Ethyl Senecionate	11	Hexen-3-yl Isovalerate	12	Isobutyl-2-methyl Butyrate	14
Ethyl Sorbate	11	Hexen-3-yl Methyl Carbonate	12	Isobutyric Acid	14
Ethyl Tiglate	11	Hexen-3-yl Propionate	12	Isoodecyl Acetate	14
Ethyl undecylate	11	Hexen-3-yl Senecionate	12	Isoeugenol	14
Ethyl Valerate	11	Hexen-3-yl Valerate	12	Isononal Diethylacetal	14
Ethyl Vanillin	11	Hexenyl-2-methyl Butyrate	12	Isononal Dimethylacetal	14
Ethyl-2-methyl Butyrate	11	Hexyl Acetate	12	Isononal Methylantranilate	14
Ethyl-2-methyl Valerate	11	Hexyl Butyrate	12	Isononyl Acetate	14
Ethylacetoacetate Ethylenen Glycol Acetal	11	Hexyl Caproate	12	Isononyl Aldehyde	14
Ethylcaproate	11	Hexyl Cinnamic Aldehyde, alpha-	12	Isooctanal Diethylacetal	14
Ethylphenyl Acetate	11	Hexyl Crotonate	12	Isopropyl Butyrate	14
Eucalyptus Citriodora	4	Hexyl Formate	12	Isopropyl Caproate	14
Eucalyptus Globulus	4	Hexyl Isobutyrate	12	Isopropyl Formate	14
Eucalyptol	6	Hexyl Isovalerate	12	Isopropyl Isobutyrate	14
Eugenol	6	Hexyl Lactate	12	Isopropyl Isovalerate	14
Fennel (Sweet)	4	Hexyl Tiglate	12	Isopropyl Propionate	14
Fructose	19	Hexyl Valerate	12	Isopropyl Tiglate	14
Gamma-Decalactone	11	Hexyl-2-methyl Butyrate	12	Isopropyl Valerate	14
Gamma-Dodecalactone	11	Hexylphenyl Acetate	13	Isopropyl-2-methylbutyrate	14
Gamma-Heptalactone	11	Ho wood	4	Isopropylphenyl Acetate	14
Gamma-Nonalactone	11	Indole	13	Isotridecyl Acetate	14
Gamma-Octalactone	11	Ionone, alpha-	13	Isotridecyl Alcohol	14
Gamma-Undecalactone	11	Ionone, beta-	13	Lactic acid 80%, 90%, HS	19
Ganolide	11	Isoamyl Acetate	13	Laureth Series	20
Garlic	4	Isoamyl Butyrate	13	Lauryl Acetate	14
Geraniol	11	Isoamyl Caprate	13	Lavander	4
Geranium oil	4	Isoamyl Caproate	13	Lavandin Gross	4
Geranyl Acetate	11	Isoamyl Caprylate	13	Lemon	4
Geranyl Butyrate	11	Isoamyl Cinnamate	13	Lemon Terpenes	6
Geranyl Crotonate	11	Isoamyl Crotonate	13	Lilial Methyl anthranilate	14
Geranyl Isobutyrate	11	Isoamyl Formate	13	Lime	4
Ginger	4	Isoamyl Heptanoate	13	Limonene, D-	6
Glycerine 86.5% / 99.5%	19	Isoamyl Isobutyrate	13	Limonene, L-	6
Grapelione	11	Isoamyl Isovalerate	13	Linalool	6
Helional	11	Isoamyl Lactate	13	Linalool	14
Heptanal Diethylacetal	11	Isoamyl Pelargonate	13	Linalyl Acetate	6
Heptyl Acetate	11	Isoamyl Propionate	13	Linalyl Acetate	14
Heptyl Butyrate	11	Isoamyl Senecionate	13	Litsea Cubeba	4
Heptyl Caprylate	11	Isoamyl Valerate	13	Malic acid	19
Heptyl Crotonate	12	Isoamyl-2-methyl Butyrate	13	Maltodextrine Series DE5 - DE20	19
Heptyl Formate	12	Isoamylphenyl Acetate	13	Maltol	14
Heptyl Isobutyrate	12	Isobornyl Acetate	13	Maltol Acetate	14
Heptyl Valerate	12	Isobutyl Benzoate	13	Maltol Butyrate	14
Hexanal Diethyl Acetal	12	Isobutyl Butyrate	13	Maltol Isobutyrate	15
Hexanal Dimethylacetal	12	Isobutyl Caproate	13	Melon Heptenal	15

Menthol Crystal	6	Nutmeg	4	Propyl Crotonate	17
Menthone	6	Nutmeg oleoresin	5	Propyl Formate	17
Menthyl Acetate	15	Octyl Acetate	16	Propyl Heptanoate	17
Methyl 3-Nonenoate	15	Octyl Butyrate	16	Propyl Isovalerate	17
Methyl Antranilate	15	Octyl Crotonate	16	Propyl Lactate	18
Methyl Benzoate	15	Octyl Formate	16	Propyl Pelargonate	18
Methyl Butyrate	15	Octyl Heptanoate	16	Propyl Propionate	18
Methyl Caprate	15	Octyl Isobutyrate	16	Propyl Valerate	18
Methyl Caproate	15	Octyl Isovalerate	16	Propyl-2-methyl Butyrate	18
Methyl Caprylate	15	Octyl Propionate	16	Propylene glycol (PG)	19
Methyl Cedryl Ketone	15	Octyl-2-methyl Butyrate	16	Propylenglycol (PG)	18
Methyl Crotonate	15	Orange (Sweet)	4	Propylphenyl Acetate	18
Methyl Dihydro Jasmonate	15	Oregano	4	PTBCHA	18
Methyl Eugenol	15	OTBCHA	17	Raspberry Ketone	18
Methyl Heptanoate	15	Palmarosa	4	Rosacetol	18
Methyl Ionone	15	Paprika oleoresin	5	Sandenol	18
Methyl Isobutyrate	15	Para-Cymene	17	Scotch Pine	5
Methyl Isoeugenol	15	Patchouli	4	Sodium ascorbate	19
Methyl Isovalerate	15	Peg 40 Hydrogenated castor oil	20	Sodium citrates	19
Methyl Myristate	15	Peg 60 Hydrogenated castor oil	20	Sodium Cyclamat	19
Methyl Perlargonate	15	PEG-100 stearate	20	Sodium Saccharine	19
Methyl Pivalate	15	PEG-20 stearate	20	Sorbitan Laurate	20
Methyl Salicylate	6	Peppermint	4	Sorbitan Oleate	20
Methyl Sorbate	15	Peru balsam	5	Sorbitan Palmitate	20
Methyl Undecylate	15	Phenyl-3-propyl Acetate	17	Sorbitan Stearate	20
Methyl Valerate	15	Phenyl-3-propyl Crotonate	17	Sorbitol	19
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Methyl-2-butyric Acid	16	Phenylethyl Heptanoate	17	Tea Tree	5
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Neryl Isobutyrate	16	Propyl Caprate	17	Vetiver	5
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8000-34-8	Clove	4	90063-97-1	Mint Arvensis	4
8000-46-2	Geranium oil	4	90-17-5	Rosacetol	18
8000-48-4	Eucaliptus Globulus	4	91-51-0	Lilial Methyl anthranilate	14
8000-78-0	Garlic	4	91-64-5	Coumarin	9
8001-61-4	Copaiba balsam	5	91745-89-0	Ho wood	4
8002-56-0	Black pepper oleoresin	5	91770-81-9	Grapelione	11
8006-82-4	Black Pepper	4	91771-61-8	Citronella (Java type)	4
8006-90-4	Peppermint	4	92201-50-8	Camphor	4
8007-00-9	Peru balsam	5	928-96-1	Cis-3-Hexenol	6
8007-11-2	Oregano	4	928-96-1	Hexen-3-ol	12
8008-26-2	Lime	4	93-04-9	Neroline Yara Yara	16
8008-45-3	Nutmeg	4	93-15-2	Methyl Eugenol	15
8008-45-3	Nutmeg oleoresin	5	93-16-3	Methyl Isoeugenol	15
8008-52-4	Coriander oil	4	93-18-5	Neroline Bromelia	16
8008-56-8	Lemon	4	93-58-3	Methyl Benzoate	15
8014-09-3	Patchouli	4	93-92-5	Styrallyl Acetate	18
8014-19-5	Palmarosa	4	94-47-3	Phenylethyl Benzoate	17
8022-15-9	Lavandin Gross	4	97-53-0	Eugenol	6
8024-37-1	Curcuma longa	4	97-54-1	Isoeugenol	14
80-26-2	Terpinyl Acetate	18	97-62-1	Ethyl Isobutyrate	10
8028-48-6	Orange (Sweet)	4	97-64-3	Ethyl Lactate	10
8046-19-3	Styrax gum	5	97-85-8	Isobutyl Isobutyrate	13
81-14-1	Musk Ketone	16	97-87-0	Butyl Isobutyrate	8
84012-35-1	Scotch Pine	5	98-55-5	Terpineol P.G.	18
84238-29-9	Vetiver	5	99-40-6	Neryl Butyrate	16
84455-29-8	Fennel (Sweet)	4	99-85-4	Terpinene, gamma-	18
84625-29-6	Capsicum oleoresin	5	99-87-6	Para-Cymene	16



## RAW MATERIALS



Pharmaceuticals



Food & Feed



Cosmetics



Detergents



Flavours & Fragrances



Paints feedstock



Textiles & Leather



Metal treatment



Water treatment



Reagents



Rubber and Plastics



Base Chemicals



## MAINTENANCE SYSTEMS



Personal Protection Equipment  
and Safety Courses



Maintenance Products and  
Detergents



Special Waste Collection



Lubricants



Surface Treatment



Tools and Machinery



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