AROMOLOGY

IFRA 51 INFORMATION SHEET

Product name: 340200 – NATURAL CIS-3-HEXENYL BUTYRATE

Company Name: Aromology Trading LLC

This material complies with the most current IFRA Guidelines? (IFRA 51) Yes ☒ No☐

According to the IFRA 51th amendment, please complete the tables below:

EU Fragrance Allergens

Ingredient Name	CAS number	% Total
alpha-Amyl Cinnamic Aldehyde	122-40-7	0
alpha-Amyl Cinnamic Alcohol	101-85-9	0
Anisyl Alcohol	105-13-5 1331-81-3	0
Benzyl Alcohol	100-51-6	0
Benzyl Benzoate	120-51-4	0
Benzyl Cinnamate	103-41-3	0
Benzyl Salicylate	118-58-1	0
Cinnamic Alcohol	104-54-1	0
Cinnamic Aldehyde	104-55-2	0
Citral (mixture of neral + geranial)	5392-40-5 141-27-5 106-26-3	0
Citronellol	106-22-9 1117-61-9 26489-01-0 6812-78-8 141-25-3 7540-51-4	0
Coumarin	91-64-5	0
Eugenol	97-53-0	0
Farnesol	4602-84-0 106-28-5 3790-71-4 16106-95-9 3879-60-5	0
gamma-Methyl Ionone	127-51-5	0
Geraniol	106-24-1	0
Hexyl Cinnamic Aldehyde	101-86-0	0
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde	31906-04-4 51414-25-6	0
Hydroxycitronellal	107-75-5	0
Isoeugenol	97-54-1 5932-68-3	0
Butylphenyl Methylpropional	80-54-6	0
Limonene	5989-27-5 138-86-3 5989-54-8 7705-14-8	0

Ingredient Name	CAS number	% Total
Linalool	78-70-6 126-90-9 126-91-0	0
Methyl Heptine Carbonate	111-12-6	0
Oakmoss extracts	68917-10-2 90028-68-5 9000-50-4	0
Treemoss extracts	68648-41-9 90028-67-4 68917-40-8	0

IFRA 51th Amendment restricted substances

Ingredient Name	CAS number	% Total
Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene (Trimofix O, Fixamber)	144020-22-4 28371-99-5	0
3-Acetyl-2,5-dimethylfuran	10599-70-9	0
5-Acetyl-1,1,2,3,3,6-hexamethyl indan (AHMI)	15323-35-0	0
Acetylated Vetiver oil	117-98-6 62563-80-8 68917-34-0 73246-97-6 84082-84-8	0
Allyl-3-cyclohexylpropionate	2705-87-5	0
Allyl phenoxyacetate	7493-74-5 863306-60-9	0
alpha-Amylcinnamicaldehyde diethyl acetal	60763-41-9	0
alpha-Amylcinnamicaldehyde dimethyl acetal	91-87-2	0
Angelica root oil	8015-64-3 84775-41-7	0
Benzaldehyde	100-52-7	0
Bergamot oil expressed	8007-75-8 89957-91-5	0
α-Bisabolol	515-69-5 23089-26-1 23178-88-3 78148-59-1 76738-75-5 72691-24-8	0
Bitter orange peel oil expressed	68916-04-1 72968-50-4	0
α-Butylcinnamaldehyde	7492-44-6	0
4-tert-Butylcyclohexanone	98-53-3	0
1-(2-tert.-Butyl cyclohexyloxy)-2-butanol	139504-68-0	0
p-tert-Butyldihydrocinnamaldehyde (Bourgeonal)	18127-01-0	0
Carvomenthone	499-70-7 59471-80-6	0
Carvone	99-49-0	0
d-Carvone	2244-16-8	0
l-Carvone	6485-40-1	0
Carvyl acetate	97-42-7 1205-42-1 1134-95-8	0

Ingredient Name	CAS number	% Total
Cedrene	11028-42-5 469-61-4 546-28-1	0
Cinnamic aldehyde dimethyl acetal	4364-06-1	0
Cinnamyl nitrile	1885-38-7 4360-47-8	0
Citronellal	106-23-0 5949-05-3	0
Citronellyl acetate	150-84-5 67601-05-2 141-11-7	0
Citrus oils and other furocoumarins containing essential oils (Bergapten)	-	0
p-Cresol	1319-77-3 106-44-5	0
Cuminaldehyde	122-03-2	0
Cumin oil	8014-13-9 84775-51-9	0
Cyclamen aldehyde	103-95-7	0
Cyclohexadecanone	2550-52-9 88642-03-9 5365-06-0 2550-59-6 3100-36-5 5120-20-7 854373-71-0 854373-70-9	0
Cyclohexanmethanol, 2,4-dimethyl	68480-15-9	0
alpha-Cyclohexylidene benzeneacetonitrile	10461-98-0	0
2-Cyclohexylidene-2-ortho-tolylacetonitrile	916887-53-1	0
Cyclopentadecanolide	106-02-5	0
Dibenzyl ether	103-50-4	0
Dihydrocoumarin	119-84-6	0
6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)- indanone (DPMI, Cashmeran)	33704-61-9	0
Dimethylcyclohex-3-ene-1-carbaldehyde (mixed isomers)	68737-61-1 68039-49-6 68039-48-5 27939-60-2 67801-65-4 36635-35-5 68084-52-6 35145-02-9	0
1-(5,5-Dimethyl-1-cyclohexen-1-yl)pent-4-en-1-one	56973-85-4	0
2,2-Dimethyl-3-(3-tolyl)propan-1-ol (Majantol)	103694-68-4	0
3,3-Dimethyl-5-(2,2,3-trimethyl-3-cyclopenten-1-yl)-4-penten-2-ol	107898-54-4	0
3,7-Dimethyl-2,6-nonadien-1-al	41448-29-7	0
3,7-Dimethyl-3,6-octadienal	55722-59-3 1754-00-3 72203-98-6 72203-97-5	0
Dimethyl octenone	2550-11-0	0

Ingredient Name	CAS number	% Total
4,8-Dimethyl-4,9-decadienal	71077-31-1	0
5,9-Dimethyl-4,8-decadienal	762-26-5	0
2-Ethoxy-4-methylphenol	2563-07-7	0
p-Ethylbenzaldehyde	4748-78-1	0
Estragole	140-67-0 1407-27-8 77525-18-9	0
(Ethoxymethoxy)-cyclododecane	58567-11-6	0
Ethyl and Methyl furaneol	27538-09-6 27538-10-9	0
Ethyl isopropyl bicycloheptene-2-carboxylate	116044-44-1 116126-82-0	0
Farnesal	19317-11-4	0
Furfural	98-01-1	0
Grapefruit oil expressed	8016-20-4 90045-43-5	0
cis-3-Heptenyl acetate	1576-78-9	0
2-Heptylidene cyclopentan-1-one	39189-74-7	0
trans-2-Hexenal	6728-26-3	0
cis-3-Heptenyl acetate	1576-78-9	0
cis-3-Hexenyl isovalerate	35154-45-1	0
cis-3-Hexenyl methyl carbonate	67633-96-9	0
5-Hexen-1-yl 2-methylbutanoate	155514-23-1	0
2-Hexylidenecyclohexan-1-one	16429-07-5	0
α-Hexylidene cyclopentanone	17373-89-6	0
Hexyl salicylate	6259-76-3	0
4-Hydroxy-2,5-dimethyl-3(2H)-furanone	3658-77-3	0
6-Hydroxy-2,6-dimethylheptanal	62439-42-3	0
4-(4-Hydroxyphenyl)butan-2-one	5471-51-2	0
Isobutyl cinnamate	122-67-8	0
p-Isobutyl-α-methyl hydrocinnamaldehyde	6658-48-6	0
Isoeugenyl acetate	93-29-8	0
Isopentylcyclohexanone	16587-71-6	0
4-(Isopropyl)-β-methylcyclohexanethanol	67634-03-1	0
p-Isopropylbenzyl alcohol	536-60-7	0
Cis, trans-4-(Isopropyl)cyclohexanemethanol	5502-75-0 13828-37-0 13674-19-6	0
Isocyclocitral	1335-66-6 1423-46-7 67634-07-5	0
Isocyclogeraniol	68527-77-5	0
Jasmine absolute (grandiflorum)	8022-96-6 8024-43-9 90045-94-6 84776-64-7	0
Jasmine absolute (sambac)	91770-14-8	0
Lemon oil cold pressed	8008-56-8 84929-31-7	0
Lime oil expressed	8008-26-2 90063-52-8	0

Ingredient Name	CAS number	% Total
Longifolene	475-20-7 46846-09-6 19067-29-9	0
Melissa oil (genuine Melissa officinalis L.)	8014-71-9 84082-61-1	0
p-Mentha-1,8-dien-7-al (Perilla aldehyde)	2111-75-3	0
Menthadiene-7-methyl formate	68683-20-5	0
p-Methoxybenzaldehyde	123-11-5	0
o-Methoxycinnamaldehyde	1504-74-1	0
Methoxy dicyclopentadiene carboxaldehyde (Scentenal)	86803-90-9	0
4-Methoxy-α-methylbenzenepropanal	5462-06-6	0
2-Methoxy-4-methylphenol	93-51-6	0
7-Methoxy-3,7-dimethyloct-1-ene	53767-86-5	0
3-(m-tert-Butylphenyl)-2- methylpropionaldehyde (m-BMHCA)	62518-65-4	0
α-Methyl-1,3-benzodioxole-5-propionaldehyde (MMDHCA)	1205-17-0	0
α-Methyl cinnamic aldehyde	101-39-3	0
Methoxycyclododecane	2986-54-1	0
Methyl eugenol	93-15-2	0
Methyl N-formylanthranilate	41270-80-8	0
6-Methyl-3,5-heptadien-2-one (methyl heptadienone)	1604-28-0	0
Methyl ionone, mixed isomers	1335-46-2 127-42-4 127-43-5 127-51-5 7779-30-8 79-89-0	0
Methyl lavender ketone	67801-33-6 67633-95-8	0
Methyl N-methylanthranilate	85-91-6	0
Methyl octine carbonate	111-80-8	0
2-Methyl-2-pentenal	623-36-9	0
3-Methyl-5-phenylpent-2-enenitrile	93893-89-1 53243-59-7 53243-60-0	0
3-Methyl-2-(pentyloxy)cyclopent-2-en-1-one	68922-13-4	0
4-Methyl-1-propan-2-ylbicyclo[2.2.2]oct-2-ene-8-carboxylate	68966-86-9	0
Methyl β-naphthyl ketone	93-08-3	0
Methyl vanillyl ether	5533-03-9	0
2-Methoxy-4-propylphenol	2785-87-7	0
Myraldyl acetate	72403-67-9	0
cis-3-Nonenyl acetate	13049-88-2	0
2-Nonyn-1-al dimethyl acetal	13257-44-8	0
OTNE (1-(1,2,3,4,5,6,7,8 Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl) ethanone)	54464-57-2 54464-59-4 68155-66-8 68155-67-9	0
2-Octen-4-one	4643-27-0	0
3-Octen-2-one	1669-44-9	0

Ingredient Name	CAS number	% Total
1-Octen-3-yl acetate	2442-10-6	0
Octahydro-dimethylnaphthalene-2-carbaldehyde (mixed isomers)	68738-94-3 68738-96-5 68991-96-8 68991-97-9	0
2,5-Octadien-4-one, 5,6,7-trimethyl-, (2E)-	358331-95-0 57650-26-1 847144-75-6	0
Opoponax	8021-36-1 9000-78-6 93384-32-8	0
3,4,5,6,6-Pentamethylhept-3-en-2-one	81786-75-6 81786-73-4 86115-11-9 81786-74-5	0
Phenoxyacetaldehyde	2120-70-9	0
Peru balsam extracts and distillates	8007-00-9	0
1-(2,4,4,5,5-Pentamethyl-1-cyclopenten-1-yl)ethan-1-one	13144-88-2	0
Phenylacetaldehyde	122-78-1	0
3-Phenylbutanal	16251-77-7	0
4-Phenyl-3-buten-2-ol	17488-65-2	0
2-Phenylpropionaldehyde	93-53-8 1340-11-0 34713-70-7	0
Propenylguaethol	94-86-0 63477-41-8	0
3-Propylidenephthalide	17369-59-4	0
Rose ketones	23696-85-7 23726-93-4 43052-87-5 24720-09-0 23726-94-5 23726-92-3 23726-91-2 57378-68-4 71048-82-3 39872-57-6 70266-48-7 33673-71-1 35087-49-1 35044-68-9	0
Styrax (distillates)	8046-19-3 8024-01-9 94891-27-7 94981-28-8 101227-15-0	0
Teal leaf absolute	84650-60-2	0
α,2,2,3-Tetramethylcyclopent-3-ene-1-butyraldehyde	65114-03-6	0
Tetramethyl bicyclo-2-heptene-2-propionaldehyde	33885-52-8	0
2,4,4,7-Tetramethyl-6-octen-3-one	74338-72-0	0

Ingredient Name	CAS number	% Total
Thujone	546-80-5 471-15-8 76231-76-0 1125-12-8	0
o,m,p-Tolualdehydes and their mixtures	529-20-4 620-23-5 104-87-0 1334-78-7	0
p-Tolyl alcohol	589-18-4	0
2,6,6-Trimethylcyclohex-1,3-dienyl methanal	116-26-7	0
1-(2,2,6-Trimethylcyclohexyl)-3-hexanol	70788-30-6	0
1-(2,2,6-Trimethylcyclohexyl)-3-pentanol	60241-52-3 60241-53-4	0
5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol	65113-99-7	0
3,6,7-Trimethyl-2,6-octadienal	1891-67-4	0
2,6,10-Trimethylundeca-5,9-dien-1-ol	24048-14-4 185019-19-6 58001-88-0 58001-87-9 1373932-23-0 1018832-07-9	0
Rue oil	8014-29-7 84929-47-5	0
Tagetes oil and absolute	91722-29-1 8016-84-0	0
Verbena absolute (Lippia citriodora Kunth.)	8024-12-2 85116-63-8	0
Woody furan	338735-71-0 351343-77-6	0
Ylang ylang extracts	8006-81-3 68606-83-7 83863-30-3	0

IFRA 51th Amendment specified substances

Ingredient Name	CAS number	% Total
Allyl Esters	N/A	0
Allyl phenoxyacetate	7493-74-5	0
Birch wood pyrolysate	8001-88-5 84012-15-7 85940-29-0 68917-50-0	0
Cade oil (Juniperus oxycedrus L.)	8013-10-3 90046-02-9	0
2,2-Dimethyl-3-(3-tolyl)propan-1-ol (Majantol)	103694-68-4	0
Isobutyl N-methylanthranylate	65505-24-0	0
p-Methyltetrahydroquinoline	91-61-2	0
Musk ketone	81-14-1	0
Nootkatone	4674-50-4	0
Pinacea derivatives		0

Sclareol	515-03-7	0
1,2,3,4-Tetrahydro-4-methylquinoline	19343-78-3	0

IFRA 51th Amendment prohibited substances

Ingredient Name	CAS number	% Total
Acetyl ethyl tetramethyl tetralin (AETT, Versalide)	88-29-9	0
Acetyl isovaleryl (5-Methyl-2,3-hexanedione)	13706-86-0	0
Alantroot oil (Elecampane oil)	84012-20-4 97676-35-2	0
Allyl heptine carbonate	73157-43-4	0
Allyl isothiocyanate	57-06-7	0
Amylcyclopentenone	25564-22-1	0
Anisylidene acetone (4-(p-methoxyphenyl)-3-butene-2-one)	943-88-4	0
cis-and trans-Asarone ((E)-and(Z)-2,4,5-Trimethoxypropen-1-yl benzene)	494-40-6 2883-98-9 5273-86-9	0
Benzene	71-43-2	0
Benzyl cyanide	140-29-4	0
Benzylidene acetone (4-Phenyl-3-buten-2-one)	122-57-6	0
Birch wood pyrolysate (Crude)	8001-88-5 84012-15-7 85940-29-0 68917-50-0 85251-66-7 91745-85-6	0
Boldo oil	8022-81-9 84649-96-7	0
3-Bromo-1,7,7-trimethylbicyclo[2.2.1]heptane-2-one	76-29-9	0
Bromostyrene	103-64-0	0
p-tert-Butylphenol	98-54-4	0
Cade oil - Juniperus oxycedrus L. (Crude)	8013-10-3 90046-02-9	0
Carvone oxide	33204-74-9	0
Chenopodium oil	8006-99-3 8024-11-1 89997-47-7	0
Cinnamylidene acetone	4173-44-8	0
Colophony	8050-09-7	0
Costus root oil, absolute and concrete	8023-88-9 90106-55-1	0
Cyclamen alcohol (3-(4-Isopropylphenyl)-2-methylpropanol)	4756-19-8	0
1,3-Dibromo-2-methoxy-4-nitro-5-(1,1-dimethylethyl)-6-methyl-benzene (Musk alpha)	63697-53-0	0
1,3-Dibromo-2-methoxy-4-methyl-5-nitrobenzene (Musk KS)	62265-99-0	0
2,2-Dichloro-1-methylcyclopropylbenzene	3591-42-2	0

Ingredient Name	CAS number	% Total
2,4-Dienals	764-40-9 142-83-6 80466-34-8 5910-85-0 30361-28-5 6750-03-4 2363-88-4 13162-46-4 21662-16-8 25152-84-5 30361-29-6 4313-03-5 20432-40-0 4488-48-6 5577-44-6 5910-87-2	0
Diethyl maleate	141-05-9	0
2,4-Dihydroxy-3-methylbenzaldehyde	6248-20-0	0
4,6-Dimethyl-8-tert-butylcoumarin (Butolia)	17874-34-9	0
3,7-Dimethyl-2-octen-1-ol	40607-48-5	0
Dimethyl citraconate	617-54-9	0
Diphenylamine	122-39-4	0
2,4-Dodecadien-1-ol, (2E, 4E)	18485-38-6	0
Esters of 2-octynoic acid (Except Methyl heptine carbonate which is IFRA Restricted)	10484-32-9 10519-20-7	0
Esters of 2-nonynoic acid, (Except Methyl octine carbonate)	10031-92-2	0
Ethyl acrylate	140-88-5	0
Ethylene glycol monoethyl ether and its Acetate	110-80-5 111-15-9 (acetate)	0
Ethylene glycol monomethyl Ether and its Acetate	109-86-4 110-49-6 (acetate)	0
Fig leaf absolute	68916-52-9 90028-74-3	0
Furfuryl alcohol	98-00-0	0
Furfurylidene acetone	623-15-4	0
Geranyl nitrile	5146-66-7 5585-39-7 31983-27-4	0
trans-2-Heptenal	18829-55-5	0
2,4-Hexadien-1-ol	111-28-4 17102-64-6	0
Hexahydrocoumarin	700-82-3	0
trans-2-Hexenal diethyl acetal	67746-30-9	0
trans-2-Hexenal dimethyl acetal	18318-83-7	0
Hydroabietyl alcohol, dihydroabietyl alcohol	13393-93-6 26266-77-3 1333-89-7	0
Hydroquinone monoethyl ether (4-ethoxy-Phenol)	622-62-8	0
Hydroquinone monomethyl ether (4-methoxy-Phenol)	150-76-5	0
Isophorone	78-59-1	0

Ingredient Name	CAS number	% Total
6-Isopropyl-2-decalol (Decatol)	34131-99-2	0
Massoia bark oil	85085-26-3	0
Massoia lactone	54814-64-1 51154-96-2	0
7-Methoxycoumarin	531-59-9	0
alpha-Methyl anisylidene acetone (1-(4-Methoxyphenyl)-1-penten-3-one)	104-27-8	0
6-Methylcoumarin (Toncarine)	92-48-8	0
7-Methylcoumarin	2445-83-2	0
Methyl crotonate	623-43-8	0
4-Methyl-7-ethoxycoumarin (Maraniol)	87-05-8	0
p-Methylhydrocinnamic aldehyde	5406-12-2	0
Methyl methacrylate	80-62-6	0
3-Methyl-2(3)-nonenenitrile (Citgrenile)	53153-66-5	0
Mintlactone	13341-72-5 38049-04-6	0
Moskene (1,1,3,3,5-Pentamethyl-4,6-dinitroindane)	116-66-5	0
Musk ambrette	83-66-9	0
Musk tibetene (1-tert-Butyl-2,6-dinitro-3,4,5-trimethylbenzene)	145-39-1	0
Musk Xylene	81-15-2	0
Nitrobenzene	98-95-3	0
2-Pentylidene cyclohexanone	25677-40-1	0
Peru balsam crude	8007-00-9	0
Phenyl acetone (Methyl benzyl ketone)	103-79-7	0
Phenyl benzoate	93-99-2	0
Pseudoionone (2,6-Dimethylundeca-2,6,8-trien-10-one)	141-10-6	0
Pseudo Methylionones	26651-96-7 72968-25-3 1117-41-5	0
Quinoline	91-22-5	0
Safrole, Isosafrole, Dihydrosafrole	94-59-7 120-58-1 94-58-6	0
Santolina oil	84961-58-0	0
Savin oil (Juniperus Sabina L.)	8024-00-8 90046-04-1	0
Styrax (Crude)	8024-01-9 8046-19-3	0
Toluene	108-88-3	0
Verbena oil	8024-12-2	0

Date: 17.08.2023