



OIL, LAVENDER VANILLA*

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Issue date: 11/12/2018

Revision date: 05/21/2020

Supersedes: 11/12/2018

Version: 1.1

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Product name : OIL, LAVENDER VANILLA*
CAS-No. : N/A
Product code : 91-1000-69
Product group : Trade product

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

The Lebermuth Company
4004 Technology Drive
46628 South Bend, IN - United States
T 574-259-7000 - F 574-258-7450
info@lebermuth.com - www.lebermuth.com

1.4. Emergency telephone number

Emergency number : CHEMTREC - USA: 800-424-9300 International: +1 703-527-3887 / 1-800-424-9300
CCN 13010

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Acute toxicity (inhalation:vapour) Category 2	H330 Fatal if inhaled
Skin corrosion/irritation Category 2	H315 Causes skin irritation
Serious eye damage/eye irritation Category 2A	H319 Causes serious eye irritation
Skin sensitization, Category 1	H317 May cause an allergic skin reaction
Reproductive toxicity Category 2	H361 Suspected of damaging fertility or the unborn child
Full text of H statements : see section 16	

2.2. GHS Label elements, including precautionary statements

GHS CA labeling

Hazard pictograms (GHS CA)



Signal word (GHS CA)

: Danger

Hazard statements (GHS CA)

: H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H330 - Fatal if inhaled
H361 - Suspected of damaging fertility or the unborn child

Precautionary statements (GHS CA)

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P284 - [In case of inadequate ventilation] wear respiratory protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P310 - Immediately call a POISON CENTER or doctor.
P320 - Specific treatment is urgent (see supplemental first aid instruction on this label).
P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

OIL, LAVENDER VANILLA*

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
DIOCTYL ADIPATE	adipic acid bis(2-ethylhexyl)ester / adipic acid di(2-ethylhexyl)ester / adipol 2EH / BEHA (=bis(2-ethylhexyl)adipate) / bis(2-ethylhexyl) adipate / bis(2-ethylhexyl)adipate, selectophore / bis(2-ethylhexyl)hexanedioate / bisoflex DOA / DEHA (=bis(2-ethylhexyl)adipate) / di(2-ethylhexyl)adipate / diisooctyladipate (=bis(2-ethylhexyl) adipate) / DOA (=bis(2-ethylhexyl)adipate) / effemoll DOA / effomoll DOA / ergoplast addo / flexol a26 / flexol plasticizer 10.a / flexol plasticizer a26 / good-rite plasticizer GP233 / harflex 250 / hexanedioic acid di(2-ethylhexyl)ester / hexanedioic acid dioctyl ester / hexanedioic acid, bis(2-ethylhexyl) ester / hexanedioic bis(2-ethylhexyl ester) / kemester 5652 / kodaflex doa / mollar s / monoplex doa / morflex 310 / octyl adipate (=bis(2-ethylhexyl)adipate) / PALATINOL DOA / PX238 / reomol DOA (=bis(2-ethylhexyl)adipate) / rucoflex plasticizer DOA / sicol 250 / staflex DOA / truflex DOA / uniflex DOA / vestinol OA / wickenol 158 / witamol 320	(CAS-No.) 103-23-1	>= 50	Not classified
DIHYDROMYRCENOL	2,6-dimethyloct-7-en-2-ol / 7-octen-2-ol, 2,6-dimethyl- / dihydromyrcenol	(CAS-No.) 18479-58-8	5 - 10	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone		(CAS-No.) 54464-57-2	1 - 5	Skin Irrit. 2, H315 Skin Sens. 1B, H317
LINALYL ACETATE	1,5-dimethyl-1-vinyl-4-hexenyl acetate / 1,6-octadien-3-ol, 3,7-dimethyl-, acetate / 3,7-dimethyl-1,6-octadien-3-ol acetate / 3,7-dimethyl-1,6-octadien-3-yl acetate / acetic acid linalool ester / bergamiol / bergamol / bergamot mint oil / ex bois de rose (synthetic) / FEMA No. 2636 / licareol acetate / linalol acetate / linalool acetate / linalyl acetate / linalyl acetate synthetic	(CAS-No.) 115-95-7	1 - 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Skin Sens. 1B, H317
7-acetyl-1,1,3,4,4,6-hexamethyltetralin		(CAS-No.) 1506-02-1	1 - 5	Acute Tox. 4 (Oral), H302

OIL, LAVENDER VANILLA*

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
p-t-Butyl-α-methylhydrocinnamic aldehyde	2-(4-tert-butylbenzyl)propionaldehyde / 2-(4-tertiary-butylbenzyl)propionaldehyde / 2-methyl-3-(4-(1,1-dimethylethyl)phenyl)propanal / 3-(para-tert-butylphenyl)-2-methylpropanal / 3-(p-tert-butylphenyl)-2-methylpropanal / 4-(1,1-dimethylethyl)-α-methylbenzenepropanal / α-methyl, beta-(p-tert-butylphenyl)propionaldehyde / α-methyl-p-(tert-butyl)hydrocinnamal / α-methyl-p-(tert-butyl)hydrocinnamaldehyde / α-methyl-para-(tertiary-butyl)hydrocinnamal / α-methyl-para-(tertiary-butyl)hydrocinnamaldehyde / benzenepropanal, 4-(1,1-dimethylethyl)-α-methyl- / butylphenyl methylpropional / hydrocinnamaldehyde, p-tert-butyl-α- / hydrocinnamaldehyde, p-tert-butyl-α-methyl- / lilestralis / LILIAL / LILYAL / lysmeral extra / para-tert-butyl-α-methylhydrocinnamic aldehyde / para-tertiary-butyl-α-methylhydrocinnamaldehyde / para-tertiary-butyl-α-methylhydrocinnamic aldehyde / propionaldehyde, beta-(4-tert-butylphenyl)-α-methyl- / protectol pp / p-tert-butyl-α-methylhydrocinnamaldehyde / p-tert-butyl-α-methylhydrocinnamic aldehyde	(CAS-No.) 80-54-6	1 - 5	Acute Tox. 4 (Oral), H302 Acute Tox. 1 (Inhalation:vapour), H330 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Repr. 2, H361
BENZYL BENZOATE	benylate / benzoate / benzoic acid, benzyl ester / benzoic acid, phenylmethyl ester / benzyl alcohol, benzoic ester / benzyl benzenecarboxylate / benzyl benzoate / benzyl benzoate USP 600040 / benzyl phenylformate / benzylets / FEMA number 2138	(CAS-No.) 120-51-4	1 - 5	Acute Tox. 4 (Oral), H302
LINALOOL	(+/-)-linalool / 1,6-octadien-3-ol, 3,7-dimethyl- / 2,6-dimethyl-2,7-octadiene-6-ol / 2,6-dimethylocta-2,7-dien-6-ol / 3,7-dimethyl-1,6-octadien-3-ol / 3,7-dimethyl-3-hydroxy-1,6-octadiene,dl- / 3,7-dimethylocta-1,6-dien-3-ol / allo-cimemenol / beta-linalool / coriandrol / dl-3,7-dimethyl-3-hydroxy-1,6-octadiene / linalool / linalyl alcohol / Substances with a flash-point above 60 °C and not more than 100 °C / Substances with a flash-point above 60 °C and not more than 100 °C, which do not belong to another class	(CAS-No.) 78-70-6	1 - 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
METHYL GAMMA-IONONE		(CAS-No.) 127-51-5	1 - 5	Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Skin Sens. 1B, H317
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-γ-2-benzopyran		(CAS-No.) 1222-05-5	1 - 5	Flam. Liq. 4, H227
PHENYLETHYL ALCOHOL	2-hydroxyethylbenzene / 2-phenethanol / 2-phenethyl alcohol / 2-phenyl-1-ethanol / 2-phenylethanol / 2-phenylethyl alcohol / benzeneethanol / benzyl carbinol / benzylmethanol / beta-fenethylalkohol / beta-hydroxyethylbenzene / beta-PEA / beta-phenethanol / beta-phenylethanol / beta-phenylethyl alcohol / ethanol, 2-phenyl- / FEMA No 2858 / methanol, benzyl- / orange oil / PEA (=2-phenylethanol) / phenethanol / phenethyl alcohol / phenylethanol / phenylethyl alcohol / rose oil	(CAS-No.) 60-12-8	1 - 5	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Eye Irrit. 2A, H319

OIL, LAVENDER VANILLA*

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
VANILLIN	2-methoxy-4-formylphenol / 3-methoxy-4-hydroxy benzaldehyde / 4-formyl-2-methoxyphenol / 4-hydroxy meta-anisaldehyde / 4-hydroxy-5-methoxybenzaldehyde / 4-hydroxy-m-anisaldehyde / benzaldehyde, 4-hydroxy-3-methoxy- / FEMA No 3107 / lioxin / m-anisaldehyde, 4-hydroxy / meta-anisaldehyde, 4-hydroxy / methylprotocatechualdehyde / methylprotocatechuic aldehyde / para-hydroxy-meta-methoxybenzaldehyde / para-vanillin / p-hydroxy-meta-methoxybenzaldehyde / p-hydroxy-m-methoxybenzaldehyde / protocatechualdehyde 3-methyl ether / protocatechualdehyde, methyl- / p-vanillin / vanilla / vanilla aldehyde / vanillaldehyde / vanillic aldehyde / vanillin / zimco	(CAS-No.) 121-33-5	0.1 - 1	Eye Irrit. 2A, H319
ETHYL VANILLIN		(CAS-No.) 121-32-4	0.1 - 1	Eye Irrit. 2B, H320
3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde		(CAS-No.) 31906-04-4	0.1 - 1	Skin Sens. 1A, H317
HYDROXYCITRONELLAL	1-octanal, 3,7-dimethyl-7-hydroxy- / 3,7-dimethyl-7-hydroxyoctanal / 7-hydroxy-3,7-dimethyl octanal / 7-hydroxy-3,7-dimethyloctan-1-al / citronellal hydrate / citronellal, hydroxy- / cyclalia / cyclosia / FEMA No 2583 / fixol / hydroxycitronellal / lilyl aldehyde / muguet synthetic / muguetine principle / octanal, 7-hydroxy-3,7-dimethyl- / phixia	(CAS-No.) 107-75-5	0.1 - 1	Eye Irrit. 2A, H319 Skin Sens. 1B, H317
5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol		(CAS-No.) 65113-99-7	0.1 - 1	Eye Irrit. 2A, H319
ORANGE OIL		(CAS-No.) 8028-48-6	0.1 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
ORANGE TERPENES	(+)-1-methyl-4-isopropenyl-1-cyclohexene / (+)-4-isopropenyl-1-methylcyclohexene / (+)-caieputene / (+)-carvene / (+)-citrene / (+)-para-mentha-1,8-diene / (+)-p-mentha-1,8-diene / (+)-R-limonene / (R)-(+)-4-isopropenyl-1-methyl-1-cyclohexene / (R)-(+)-limonene / (R)-1-methyl-4-(1-methylethenyl)cyclohexene / (R)-4-isopropenyl-1-methyl-1-cyclohexene / (R)-p-mentha-1,8-diene / 1,8-menthadiene, D- / 1-methyl-4-(1-methylethenyl)cyclohexene, (R)- / cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)- / cyclohexene, 1-methyl-4-(1-methylethenyl)-, (theta)- / cyclohexene, 4-isopropenyl-1-methyl- / D-(+)-limonene / dextro-limonene / dextro-para-mentha-1,8-diene / d-limonene / D-para-mentha-1,8-diene / D-p-mentha-1,8-diene / limonene, (R)-(+)- / limonene, D-(+)- / limonene, dextro- / para-mentha-1,8-diene, (R)-(+)- / p-mentha-1,8-diene, (R)-(+)- / p-mentha-1,8-diene, D- / refchole	(CAS-No.) 68647-72-3	0.1 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
Naphtho[2,1-b]furan, dodecahydro-3a,6,6,9a-tetramethyl-, (3aR,5aS,9aS,9bR)-		(CAS-No.) 6790-58-5	< 0.1	Not classified

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a physician immediately.
Call a doctor.

OIL, LAVENDER VANILLA*

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.
First-aid measures general	: Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	: Treat symptomatically.
-----------------------------------	--------------------------

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
------------------------------	--

5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

No additional information available

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
--------------------------------	--

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
Hygiene measures	: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
--------------------	--

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

OIL, LAVENDER VANILLA*

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Color	: Mixture contains one or more component(s) which have the following colour(s): White to light yellow On exposure to light: discolours Colourless to light amber White Colourless to light yellow Colourless
Odor	: There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: Pleasant odour Aromatic odour Mild odour Lemon odour Floral odour Strong odour Sweet odour Fruity odour
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 107 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Vapor pressure at 50 °C	: No data available
Relative density	: 0.926 (0.916 - 0.936)
Solubility	: Insoluble.
Log Pow	: No data available
Explosion limits	: No data available

9.2. Other information

Refractive index	: 1.46 (1.450 - 1.470)
------------------	------------------------

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Fatal if inhaled.

ATE CA (vapours)	2 mg/l/4h
------------------	-----------

ETHYL VANILLIN NF (121-32-4)	
LD50 oral	3000 mg/kg body weight
ATE CA (oral)	3000 mg/kg body weight

OIL, LAVENDER VANILLA*

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

TONALID (1506-02-1)	
LD50 oral	1000 mg/kg body weight
ATE CA (oral)	1000 mg/kg body weight
VANILLIN (121-33-5)	
LD50 oral rat	3300 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value, Oral, 14 day(s))
LD50 oral	3500 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value, Dermal, 14 day(s))
ATE CA (oral)	3300 mg/kg body weight
DIOCTYL ADIPATE (DOA) (103-23-1)	
LD50 oral rat	> 20000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male/female, Experimental value, Oral)
LC50 inhalation rat (mg/l)	> 5.7 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Experimental value, Inhalation (aerosol))
BENZYL BENZOATE (120-51-4)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male/female, Experimental value, Oral, 14 day(s))
LD50 oral	1500 mg/kg body weight
LD50 dermal rabbit	> 2 ml/kg (Modification of Draize 1959 method, 4 h, Rabbit, Experimental value, Dermal)
LD50 dermal	4000 mg/kg body weight
ATE CA (oral)	1500 mg/kg body weight
ATE CA (Dermal)	4000 mg/kg body weight
ORANGE TERPENES (68647-72-3)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Read-across, Oral)
LD50 dermal rabbit	> 5000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Weight of evidence, Dermal)
DIHYDROMYRCENOL (18479-58-8)	
LD50 oral	3600 mg/kg body weight
ATE CA (oral)	3600 mg/kg body weight
HYDROXY CITRONELLAL PURE (107-75-5)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
LILIAL, PURE (80-54-6)	
LD50 oral rat	1390 mg/kg (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value, Oral, 14 day(s))
LD50 oral	1390 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg (Equivalent or similar to OECD 402, Rat, Male/female, Experimental value, Dermal, 14 day(s))
LC50 inhalation rat (mg/l)	> 0.18 mg/l (IRT (inhalation risk test), 7 h, Rat, Male/female, Experimental value, Inhalation (vapours), 14 day(s))
ATE CA (oral)	1390 mg/kg body weight
ATE CA (vapours)	0.05 mg/l/4h
LINALOOL 90 (78-70-6)	
LD50 oral rat	2790 mg/kg (Rat)
LD50 oral	2790 mg/kg body weight
LD50 dermal rat	5610 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
ATE CA (oral)	2790 mg/kg body weight
ATE CA (Dermal)	5610 mg/kg body weight
PHENYL ETHYL ALCOHOL FG (60-12-8)	
LD50 oral rat	> 1790 mg/kg (Rat, Oral)
LD50 oral	1610 mg/kg body weight
LD50 dermal rabbit	> 808 mg/kg (Rabbit, Dermal)
LD50 dermal	2500 mg/kg body weight
LC50 inhalation rat (mg/l)	> 1.4 mg/l (4 h, Rat, Inhalation)
ATE CA (oral)	1610 mg/kg body weight
ATE CA (Dermal)	300 mg/kg body weight

OIL, LAVENDER VANILLA*

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

ORANGE SWEET OIL (8028-48-6)	
LD50 oral rat	> 5000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rabbit	> 5000 mg/kg body weight (Rabbit; Experimental value; Equivalent or similar to OECD 402)

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.

STOT-single exposure	: Not classified
	: Not classified

STOT-repeated exposure

Aspiration hazard	: Not classified
-------------------	------------------

Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

VANILLIN (121-33-5)	
LC50 fish 1	57 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)
EC50 Daphnia 1	36.79 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 (algae)	120 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
Log Pow	1.17 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Log Koc	3.438 (log Koc, Experimental value)

DIOCTYL ADIPATE (DOA) (103-23-1)	
LC50 fish 1	54 - 150 mg/l (96 h, Salmo gairdneri, Static system)
EC50 Daphnia 1	> 500 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 72h algae [mg/l] 1	> 500 mg/l (DIN 38412-9, Scenedesmus subspicatus, Static system, Fresh water, Experimental value, Biomass)
BCF fish 1	27 (Other, 28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value)
BCF fish 2	3.162 (Calculated value)
Log Pow	8.1 (Calculated)
Log Koc	4.687 (log Koc, SRC PCKOCWIN v1.66, Calculated value)

BENZYL BENZOATE (120-51-4)	
LC50 fish 1	2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1	3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
EC50 72h algae [mg/l] 1	0.475 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate)

OIL, LAVENDER VANILLA*

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

BENZYL BENZOATE (120-51-4)	
BCF fish 1	2.286 (BCFBAF v3.00, Pisces, QSAR)
Log Pow	3.97 (Experimental value, 25 °C)
Log Koc	3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
ORANGE TERPENES (68647-72-3)	
LC50 fish 1	720 µg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 Daphnia 1	0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
EC50 72h algae [mg/l] 1	150 mg/l (OECD 201: Alga, Growth Inhibition Test, Desmodesmus subspicatus, Static system, Fresh water, Read-across, GLP)
BCF fish 1	864.8 - 1022 (Pisces, QSAR, Fresh weight)
Log Pow	4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C)
DIHYDROMYRCENOL (18479-58-8)	
Log Pow	3.47 (Estimated value)
HYDROXY CITRONELLAL PURE (107-75-5)	
Log Pow	2.11 (Estimated value)
LILIAL, PURE (80-54-6)	
LC50 fish 1	2.04 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Flow-through system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1	10.7 mg/l (Other, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 72h algae [mg/l] 1	29.155 mg/l (DIN 38412-9, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Growth rate)
Log Pow	4.2 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 24 °C)
Log Koc	3.11 (log Koc, PCKOCWIN v1.66, Calculated value)
LINALOOL 90 (78-70-6)	
LC50 fish 2	27.8 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo gairdneri)
EC50 Daphnia 1	59 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)
EC50 other aquatic organisms 1	>= 100 mg/l (3 h; Activated sludge)
Log Pow	2.84 - 3.145
Threshold limit algae 1	88.3 mg/l (EC50; 96 h)
LINALYL ACETATE SPECIAL (115-95-7)	
LC50 fish 1	11 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinus carpio)
EC50 Daphnia 1	15 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna)
EC50 72h algae [mg/l] 1	16 mg/l (OECD 201: Alga, Growth Inhibition Test, Scenedesmus subspicatus)
Log Pow	3.93 (Experimental value)
PHENYL ETHYL ALCOHOL FG (60-12-8)	
LC50 fish 1	220 - 260 mg/l (96 h, Leuciscus idus)
EC50 Daphnia 1	287.17 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna)
EC50 72h algae [mg/l] 1	490 mg/l (Scenedesmus subspicatus)
Log Pow	1.38 (Experimental value)
ORANGE SWEET OIL (8028-48-6)	
LC50 fish 1	702 µg/l (LC50; Equivalent or similar to OECD 203; 96 h; Pimephales promelas; Flow-through system; Fresh water; Read-across)
EC50 Daphnia 1	0.67 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
BCF other aquatic organisms 1	32 - 395 (BCF; BCFWIN)
Log Pow	2.78 - 4.88 (QSAR; KOWWIN)
12.2. Persistence and degradability	
VANILLIN (121-33-5)	
Persistence and degradability	Readily biodegradable in water.
DIOCTYL ADIPATE (DOA) (103-23-1)	
Persistence and degradability	Readily biodegradable in water.

OIL, LAVENDER VANILLA*

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

BENZYL BENZOATE (120-51-4)	
Persistence and degradability	Readily biodegradable in water.
ORANGE TERPENES (68647-72-3)	
Persistence and degradability	Readily biodegradable in water.
ThOD	3.29 g O ₂ /g substance
DIHYDROMYRCENOL (18479-58-8)	
Persistence and degradability	Biodegradability in water: no data available.
HYDROXY CITRONELLAL PURE (107-75-5)	
Persistence and degradability	Readily biodegradable in water.
Chemical oxygen demand (COD)	2.65 g O ₂ /g substance
LILIAL, PURE (80-54-6)	
Persistence and degradability	Readily biodegradable in water.
LINALOOL 90 (78-70-6)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.531 g O ₂ /g substance
Chemical oxygen demand (COD)	2.808 g O ₂ /g substance
LINALYL ACETATE SPECIAL (115-95-7)	
Persistence and degradability	Readily biodegradable in water.
PHENYL ETHYL ALCOHOL FG (60-12-8)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.45 g O ₂ /g substance
Chemical oxygen demand (COD)	2.5 g O ₂ /g substance
ThOD	2.6 g O ₂ /g substance
BOD (% of ThOD)	0.558
12.3. Bioaccumulative potential	
VANILLIN (121-33-5)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Log Pow	1.17 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Log Koc	3.438 (log Koc, Experimental value)
DIOCTYL ADIPATE (DOA) (103-23-1)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
BCF fish 1	27 (Other, 28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value)
BCF fish 2	3.162 (Calculated value)
Log Pow	8.1 (Calculated)
Log Koc	4.687 (log Koc, SRC PCKOCWIN v1.66, Calculated value)
BENZYL BENZOATE (120-51-4)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
BCF fish 1	2.286 (BCFBAF v3.00, Pisces, QSAR)
Log Pow	3.97 (Experimental value, 25 °C)
Log Koc	3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
ORANGE TERPENES (68647-72-3)	
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).
BCF fish 1	864.8 - 1022 (Pisces, QSAR, Fresh weight)
Log Pow	4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C)
DIHYDROMYRCENOL (18479-58-8)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Log Pow	3.47 (Estimated value)
HYDROXY CITRONELLAL PURE (107-75-5)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Log Pow	2.11 (Estimated value)
LILIAL, PURE (80-54-6)	
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).

OIL, LAVENDER VANILLA*

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

LILIAL, PURE (80-54-6)	
Log Pow	4.2 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 24 °C)
Log Koc	3.11 (log Koc, PCKOCWIN v1.66, Calculated value)
LINALOOL 90 (78-70-6)	
Bioaccumulative potential	Bioaccumable.
Log Pow	2.84 - 3.145
LINALYL ACETATE SPECIAL (115-95-7)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Log Pow	3.93 (Experimental value)
PHENYL ETHYL ALCOHOL FG (60-12-8)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Log Pow	1.38 (Experimental value)
ORANGE SWEET OIL (8028-48-6)	
BCF other aquatic organisms 1	32 - 395 (BCF; BCFWIN)
Log Pow	2.78 - 4.88 (QSAR; KOWWIN)
12.4. Mobility in soil	
VANILLIN (121-33-5)	
Ecology - soil	Low potential for mobility in soil.
Log Koc	3.438 (log Koc, Experimental value)
Log Pow	1.17 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
DIOCTYL ADIPATE (DOA) (103-23-1)	
Ecology - soil	Low potential for mobility in soil.
Log Koc	4.687 (log Koc, SRC PCKOCWIN v1.66, Calculated value)
Log Pow	8.1 (Calculated)
BENZYL BENZOATE (120-51-4)	
Surface tension	0.027 N/m (210 °C)
Ecology - soil	Low potential for mobility in soil.
Log Koc	3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Log Pow	3.97 (Experimental value, 25 °C)
ORANGE TERPENES (68647-72-3)	
Ecology - soil	Adsorbs into the soil.
Log Pow	4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C)
DIHYDROMYRCENOL (18479-58-8)	
Ecology - soil	No (test)data on mobility of the substance available.
Log Pow	3.47 (Estimated value)
HYDROXY CITRONELLAL PURE (107-75-5)	
Log Pow	2.11 (Estimated value)
LILIAL, PURE (80-54-6)	
Ecology - soil	Low potential for mobility in soil.
Log Koc	3.11 (log Koc, PCKOCWIN v1.66, Calculated value)
Log Pow	4.2 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 24 °C)
LINALOOL 90 (78-70-6)	
Log Pow	2.84 - 3.145
LINALYL ACETATE SPECIAL (115-95-7)	
Ecology - soil	Adsorbs into the soil.
Log Pow	3.93 (Experimental value)
PHENYL ETHYL ALCOHOL FG (60-12-8)	
Log Pow	1.38 (Experimental value)
ORANGE SWEET OIL (8028-48-6)	
Log Pow	2.78 - 4.88 (QSAR; KOWWIN)

OIL, LAVENDER VANILLA*

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

Not regulated for transport

14.2. Transport information/DOT

Department of Transport

Not regulated for transport

14.3. Air and sea transport

IMDG

Not regulated for transport

IATA

Not regulated for transport

SECTION 15: Regulatory information

15.1. National regulations

ETHYL VANILLIN NF (121-32-4)

Listed on the Canadian DSL (Domestic Substances List)

TONALID (1506-02-1)

Listed on the Canadian DSL (Domestic Substances List)

VANILLIN (121-33-5)

Listed on the Canadian DSL (Domestic Substances List)

ISO E SUPER (54464-57-2)

Listed on the Canadian DSL (Domestic Substances List)

DIOCTYL ADIPATE (DOA) (103-23-1)

Listed on the Canadian DSL (Domestic Substances List)

AMBROFIX (6790-58-5)

Listed on the Canadian DSL (Domestic Substances List)

BENZYL BENZOATE (120-51-4)

Listed on the Canadian DSL (Domestic Substances List)

ORANGE TERPENES (68647-72-3)

Listed on the Canadian DSL (Domestic Substances List)

DIHYDROMYRCENOL (18479-58-8)

Listed on the Canadian DSL (Domestic Substances List)

GALAXOLIDE PURE (1222-05-5)

Listed on the Canadian DSL (Domestic Substances List)

HYDROXY CITRONELLAL PURE (107-75-5)

Listed on the Canadian DSL (Domestic Substances List)

LILIAL, PURE (80-54-6)

Listed on the Canadian DSL (Domestic Substances List)

LINALOOL 90 (78-70-6)

Listed on the Canadian DSL (Domestic Substances List)

OIL, LAVENDER VANILLA*

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

LINALYL ACETATE SPECIAL (115-95-7)

Listed on the Canadian DSL (Domestic Substances List)

LYRAL SG (31906-04-4)

Listed on the Canadian DSL (Domestic Substances List)

METHYL GAMMA-IONONE EXTRA (127-51-5)

Listed on the Canadian DSL (Domestic Substances List)

PHENYL ETHYL ALCOHOL FG (60-12-8)

Listed on the Canadian DSL (Domestic Substances List)

SANDALORE (65113-99-7)

Listed on the Canadian DSL (Domestic Substances List)

ORANGE SWEET OIL (8028-48-6)

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

ETHYL VANILLIN NF (121-32-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

TONALID (1506-02-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

VANILLIN (121-33-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

ISO E SUPER (54464-57-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

DIOCTYL ADIPATE (DOA) (103-23-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

AMBROFIX (6790-58-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

BENZYL BENZOATE (120-51-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

ORANGE TERPENES (68647-72-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

DIHYDROMYRCENOL (18479-58-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

GALAXOLIDE PURE (1222-05-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

HYDROXY CITRONELLAL PURE (107-75-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

LILIAL, PURE (80-54-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

LINALOOL 90 (78-70-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

LINALYL ACETATE SPECIAL (115-95-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

LYRAL SG (31906-04-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

METHYL GAMMA-IONONE EXTRA (127-51-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

PHENYL ETHYL ALCOHOL FG (60-12-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SANDALORE (65113-99-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

ORANGE SWEET OIL (8028-48-6)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

OIL, LAVENDER VANILLA*

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

SDS Major/Minor	: None
Issue date	: 11/12/2018
Revision date	: 05/21/2020
Supersedes	: 11/12/2018

Full text of H-phrases:

H226	Flammable liquid and vapour
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H320	Causes eye irritation
H330	Fatal if inhaled
H361	Suspected of damaging fertility or the unborn child

SDS Canada (GHS)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.