



OIL, GREEN APPLE*

Safety Data Sheet

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

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SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Product name : OIL, GREEN APPLE*
CAS-No. : N/A
Product code : 93-0107-92
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)

Flammable liquids Category 4 H227 Combustible liquid
Acute toxicity (inhalation:vapour) Category 3 H331 Toxic if inhaled
Skin sensitization, Category 1 H317 May cause an allergic skin reaction

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) : H227 - Combustible liquid
H317 - May cause an allergic skin reaction
H331 - Toxic if inhaled

Precautionary statements (GHS CA) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P311 - Call a POISON CENTER or doctor.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use media other than water to extinguish.
P403 - Store in a well-ventilated place.
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

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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)
DIPROPYLENE GLYCOL	diisopropylene glycol / DPG / oxidipropanol / oxybispropanol / oxydipropanol / propanol, oxybis-	(CAS-No.) 25265-71-8	>= 50	Not classified
2-tert-Butylcyclohexyl acetate		(CAS-No.) 88-41-5	5 - 10	Flam. Liq. 4, H227
HEXYL SALICYLATE		(CAS-No.) 6259-76-3	1 - 5	Skin Irrit. 2, H315 Skin Sens. 1, H317
ALLYL HEPTOATE		(CAS-No.) 142-19-8	1 - 5	Flam. Liq. 4, H227 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311
GAMMA UNDECALACTONE		(CAS-No.) 104-67-6	1 - 5	Not classified
PTBCHA		(CAS-No.) 32210-23-4	1 - 5	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
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 / benzylates / FEMA number 2138	(CAS-No.) 120-51-4	1 - 5	Acute Tox. 4 (Oral), H302
METHYL GAMMA-IONONE		(CAS-No.) 127-51-5	1 - 5	Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Skin Sens. 1B, H317
BENZYL SALICYLATE	benzoic acid, 2-hydroxy-, phenylmethyl ester / benzyl 2-hydroxybenzoate / benzyl o-hydroxybenzoate / benzyl ortho-hydroxybenzoate / benzyl salicylate (Q) / benzyl salicylate 00402 / salicylic acid benzyl ester / salicylic acid, benzyl ester	(CAS-No.) 118-58-1	1 - 5	Eye Irrit. 2B, H320 Skin Sens. 1B, H317
AMYL BENZOATE		(CAS-No.) 2049-96-9	1 - 5	Not classified
BETA PINENE		(CAS-No.) 18172-67-3	1 - 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
CIS-3 HEXENYL SALICYLATE		(CAS-No.) 65405-77-8	1 - 5	Not classified
DIHYDROMYRCENOL	2,6-dimethyloct-7-en-2-ol / 7-octen-2-ol, 2,6-dimethyl- / dihydromyrcenol	(CAS-No.) 18479-58-8	1 - 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Ethyl 2-methyl-1,3-dioxolane-2-acetate		(CAS-No.) 6413-10-1	1 - 5	Flam. Liq. 4, H227
1-Butanol, 2-methyl-, benzoate		(CAS-No.) 52513-03-8	0.1 - 1	Not classified
4-tert-Butylcyclohexanol		(CAS-No.) 98-52-2	0.1 - 1	Eye Irrit. 2A, H319
ALLYL CYCLOHEXYLPROPIONATE		(CAS-No.) 2705-87-5	0.1 - 1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Sens. 1, H317
CITRONELLOL	(+/-)-3,7-dimethyl-6-octen-1-ol / (+/-)-3,7-dimethyloct-6-en-1-ol / (+/-)-citronellol / 2,3-dihydrogeraniol / 2,6-dimethyl-2-octen-8-ol / 3,7-dimethyl-6-octen-1-ol / 3,7-dimethyl-octen-6-ol-1 / 6-octen-1-ol, 3,7-dimethyl- / 6-octen-1-ol, 3,7-dimethyl-, (+/-)- / beta-citronellol / cephrol / citronellol / citronellol 950 / citronellol, dl- / dihydrogeraniol / dl-citronellol / FEMA No 2309 / FEMA No 2980 / rhodinol / rodinol	(CAS-No.) 106-22-9	0.1 - 1	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
cis-3-Hexen-1-yl acetate		(CAS-No.) 3681-71-8	0.1 - 1	Flam. Liq. 4, H227
ETHYL 2-METHYLBUTYRATE		(CAS-No.) 7452-79-1	0.1 - 1	Flam. Liq. 3, H226

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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Hexen-2-al		(CAS-No.) 6728-26-3	0.1 - 1	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
Allyl (3-methylbutoxy)acetate		(CAS-No.) 67634-00-8	0.1 - 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315
HEXYL ACETATE		(CAS-No.) 142-92-7	0.1 - 1	Flam. Liq. 3, H226
ISOCYCLOCITRAL		(CAS-No.) 1335-66-6	0.1 - 1	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
Dimethylcyclohex-3-ene-1-carbaldehyde (isomer unspecified)	3-cyclohexene-1-carboxaldehyde, dimethyl- / dimethyl-3-cyclohexene-1-carboxaldehyde / dimethylcyclohex-3-ene-1-carbaldehyde / trivertal	(CAS-No.) 27939-60-2	0.1 - 1	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
SAGE OIL		(CAS-No.) 8016-63-5	0.1 - 1	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317
STYRALLYL ACETATE		(CAS-No.) 93-92-5	< 0.1	Not classified
Hexanoic acid		(CAS-No.) 142-62-1	< 0.1	Skin Corr. 1C, H314 Eye Dam. 1, H318

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 doctor.
- 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 eyes with water as a precaution.
- First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

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

- Symptoms/effects after skin contact : May cause an allergic skin reaction.

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

- Fire hazard : Combustible liquid.

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"

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

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

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

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):
Colourless to light yellow Colourless White Colourless to yellow
- 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:
Mild odour Floral odour Almost odourless Alcohol odour Lemon odour Strong odour Pleasant odour Aromatic odour Characteristic 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 : 86 °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 : 0.998 (0.988 - 1.008)
- Solubility : Insoluble.
- Log Pow : No data available
- Explosion limits : No data available

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9.2. Other information

Refractive index : 1.454 (1.444 - 1.464)

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 : Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
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) : Toxic if inhaled.

ATE CA (vapours)	3.739 mg/l/4h
PATCHONE (98-52-2)	
LD50 oral	4200 mg/kg body weight
ATE CA (oral)	4200 mg/kg body weight
ALLYL AMYL GLYCOLATE PURE (67634-00-8)	
LD50 oral	730 mg/kg body weight
ATE CA (oral)	730 mg/kg body weight
ALLYL CYCLOHEXYL PROPIONATE (2705-87-5)	
LD50 oral	480 mg/kg body weight
LD50 dermal	1600 mg/kg body weight
LC50 inhalation rat (Vapors - mg/l/4h)	11 mg/l/4h
ATE CA (oral)	480 mg/kg body weight
ATE CA (Dermal)	1600 mg/kg body weight
ATE CA (Gases)	4500 ppmV/4h
ATE CA (vapours)	11 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h
ALLYL HEPTOATE PURE (142-19-8)	
LD50 oral	218 mg/kg body weight
LD50 dermal	810 mg/kg body weight
ATE CA (oral)	218 mg/kg body weight
ATE CA (Dermal)	810 mg/kg body weight
BENZYL SALICYLATE (118-58-1)	
LD50 oral rat	2227 mg/kg (Rat)
LD50 oral	2200 mg/kg body weight
LD50 dermal rabbit	14150 mg/kg (Rabbit)
ATE CA (oral)	2200 mg/kg body weight
ATE CA (Dermal)	14150 mg/kg body weight
CITRONELLOL (106-22-9)	
LD50 oral rat	3450 mg/kg (Rat, Inconclusive, insufficient data, Oral)
LD50 oral	3450 mg/kg body weight
LD50 dermal rabbit	2650 mg/kg (Rabbit, Inconclusive, insufficient data, Dermal)
LD50 dermal	2650 mg/kg body weight
ATE CA (oral)	3450 mg/kg body weight
ATE CA (Dermal)	2650 mg/kg body weight
DIHYDROMYRCENOL (18479-58-8)	
LD50 oral	3600 mg/kg body weight
ATE CA (oral)	3600 mg/kg body weight

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DIPROPYLENE GLYCOL (DPG) (25265-71-8)	
LD50 oral rat	> 5000 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value, Oral)
LD50 dermal rabbit	> 5010 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Male/female, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	2.34 mg/l (Equivalent or similar to OECD 403, Rat, Male/female, Experimental value, Inhalation)
ATE CA (vapours)	2.34 mg/l/4h
ATE CA (dust,mist)	2.34 mg/l/4h
CAPROIC ACID (142-62-1)	
LD50 oral	4000 mg/kg body weight
ATE CA (oral)	4000 mg/kg body weight
ISO CYCLOCITRAL PURE (1335-66-6)	
LD50 oral	3220 mg/kg body weight
ATE CA (oral)	3220 mg/kg body weight
TRIPLAL, PURE (27939-60-2)	
LD50 oral rat	3600 mg/kg (Rat, Oral)
LD50 oral	3900 mg/kg body weight
LD50 dermal rabbit	5000 mg/kg (Rabbit, Dermal)
ATE CA (oral)	3600 mg/kg body weight
ATE CA (Dermal)	5000 mg/kg body weight
VERDOX PURE (OTBCHA) (88-41-5)	
LD50 oral	4600 mg/kg body weight
ATE CA (oral)	4600 mg/kg body weight
VERTENEX (PTBCHA) (32210-23-4)	
LD50 oral	3370 mg/kg body weight
ATE CA (oral)	3370 mg/kg body weight
HEXENAL (TRANS 2)LEAF ALDEHYDE (6728-26-3)	
LD50 oral	900 mg/kg body weight
LD50 dermal	600 mg/kg body weight
ATE CA (oral)	900 mg/kg body weight
ATE CA (Dermal)	600 mg/kg body weight
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

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

STOT-single exposure : Not classified

: Not classified

STOT-repeated exposure

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Aspiration hazard	: Not classified
Symptoms/effects after skin contact	: May cause an allergic skin reaction.

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

BENZYL SALICYLATE (118-58-1)	
Log Pow	4.31 (Estimated value)

CITRONELLOL (106-22-9)	
LC50 fish 1	10 - 22 mg/l (96 h, <i>Leuciscus idus</i>)
EC50 Daphnia 1	17 mg/l (48 h, <i>Daphnia magna</i>)
EC50 72h algae [mg/l] 1	2.4 mg/l (Algae)
Log Pow	3.41 - 3.91

DIHYDROMYRCENOL (18479-58-8)	
Log Pow	3.47 (Estimated value)

DIPROPYLENE GLYCOL (DPG) (25265-71-8)	
LC50 fish 1	> 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, <i>Oryzias latipes</i> , Semi-static system, Fresh water, Experimental value)
LC50 other aquatic organisms 1	3181 mg/l (Other, 48 h, <i>Xenopus laevis</i> , Fresh water, Experimental value)
EC50 Daphnia 1	> 100 mg/l (OECD 202: <i>Daphnia</i> sp. Acute Immobilisation Test, 48 h, <i>Daphnia magna</i> , Static system, Fresh water, Experimental value)
EC50 72h algae [mg/l] 1	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, <i>Desmodesmus subspicatus</i> , Fresh water, Experimental value)
Log Pow	-0.462 (Test data, Equivalent or similar to OECD 107, 21.7 °C)
Log Koc	0.78 (log Koc, Calculated value)

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

12.2. Persistence and degradability

BENZYL SALICYLATE (118-58-1)	
Persistence and degradability	Biodegradability in water: no data available.

CITRONELLOL (106-22-9)	
Persistence and degradability	Readily biodegradable in water.
Chemical oxygen demand (COD)	2.05 g O ₂ /g substance
ThOD	2.961 g O ₂ /g substance

DIHYDROMYRCENOL (18479-58-8)	
Persistence and degradability	Biodegradability in water: no data available.

DIPROPYLENE GLYCOL (DPG) (25265-71-8)	
Persistence and degradability	Readily biodegradable in water.

TRIPAL, PURE (27939-60-2)	
Persistence and degradability	Biodegradability in water: no data available.

BENZYL BENZOATE (120-51-4)	
Persistence and degradability	Readily biodegradable in water.

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12.3. Bioaccumulative potential

BENZYL SALICYLATE (118-58-1)	
Log Pow	4.31 (Estimated value)
CITRONELLOL (106-22-9)	
Log Pow	3.41 - 3.91
DIHYDROMYRCENOL (18479-58-8)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Log Pow	3.47 (Estimated value)
DIPROPYLENE GLYCOL (DPG) (25265-71-8)	
Bioaccumulative potential	Bioaccumulation: not applicable.
Log Pow	-0.462 (Test data, Equivalent or similar to OECD 107, 21.7 °C)
Log Koc	0.78 (log Koc, Calculated value)
TRIPLAL, PURE (27939-60-2)	
Bioaccumulative potential	No bioaccumulation data available.
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)

12.4. Mobility in soil

BENZYL SALICYLATE (118-58-1)	
Log Pow	4.31 (Estimated value)
CITRONELLOL (106-22-9)	
Log Pow	3.41 - 3.91
DIHYDROMYRCENOL (18479-58-8)	
Ecology - soil	No (test)data on mobility of the substance available.
Log Pow	3.47 (Estimated value)
DIPROPYLENE GLYCOL (DPG) (25265-71-8)	
Surface tension	71.4 mN/m (22 °C, 1.01 g/l)
Ecology - soil	Low potential for adsorption in soil.
Log Koc	0.78 (log Koc, Calculated value)
Log Pow	-0.462 (Test data, Equivalent or similar to OECD 107, 21.7 °C)
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)

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

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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

PATCHONE (98-52-2)

Listed on the Canadian DSL (Domestic Substances List)

UNDECALACTONE GAMMA (104-67-6)

Listed on the Canadian DSL (Domestic Substances List)

ALLYL AMYL GLYCOLATE PURE (67634-00-8)

Listed on the Canadian DSL (Domestic Substances List)

ALLYL CYCLOHEXYL PROPIONATE (2705-87-5)

Listed on the Canadian DSL (Domestic Substances List)

ALLYL HEPTOATE PURE (142-19-8)

Listed on the Canadian DSL (Domestic Substances List)

Pentyl benzoate (2049-96-9)

Listed on the Canadian DSL (Domestic Substances List)

1-Butanol, 2-methyl-, benzoate (52513-03-8)

Listed on the Canadian NDSL (Non-Domestic Substances List)

BENZYL SALICYLATE (118-58-1)

Listed on the Canadian DSL (Domestic Substances List)

PINENE BETA, NATURAL (18172-67-3)

Listed on the Canadian DSL (Domestic Substances List)

CITRONELLOL (106-22-9)

Listed on the Canadian DSL (Domestic Substances List)

DIHYDROMYRCENOL (18479-58-8)

Listed on the Canadian DSL (Domestic Substances List)

HEXENYL ACETATE (CIS-3) (3681-71-8)

Listed on the Canadian DSL (Domestic Substances List)

DIPROPYLENE GLYCOL (DPG) (25265-71-8)

Listed on the Canadian DSL (Domestic Substances List)

CAPROIC ACID (142-62-1)

Listed on the Canadian DSL (Domestic Substances List)

HEXENYL SALICYLATE (CIS-3) (65405-77-8)

Listed on the Canadian DSL (Domestic Substances List)

ETHYL-2-METHYL BUTYRATE (7452-79-1)

Listed on the Canadian DSL (Domestic Substances List)

HEXYL ACETATE, PURE (142-92-7)

Listed on the Canadian DSL (Domestic Substances List)

HEXYL SALICYLATE (6259-76-3)

Listed on the Canadian DSL (Domestic Substances List)

ISO CYCLOCITRAL PURE (1335-66-6)

Listed on the Canadian DSL (Domestic Substances List)

TRIPLAL, PURE (27939-60-2)

Listed on the Canadian DSL (Domestic Substances List)

VERDOX PURE (OTBCHA) (88-41-5)

Listed on the Canadian DSL (Domestic Substances List)

OIL, GREEN APPLE*

Safety Data Sheet

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

VERTENEX (PTBCHA) (32210-23-4)

Listed on the Canadian DSL (Domestic Substances List)

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

Listed on the Canadian DSL (Domestic Substances List)

GARDENOL (STYRALLYL ACETATE) (93-92-5)

Listed on the Canadian DSL (Domestic Substances List)

HEXENAL (TRANS 2)LEAF ALDEHYDE (6728-26-3)

Listed on the Canadian DSL (Domestic Substances List)

FRUCTONE, PURE (6413-10-1)

Listed on the Canadian DSL (Domestic Substances List)

GALAXOLIDE PURE (1222-05-5)

Listed on the Canadian DSL (Domestic Substances List)

BENZYL BENZOATE (120-51-4)

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

PATCHONE (98-52-2)

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

UNDECALACTONE GAMMA (104-67-6)

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

ALLYL AMYL GLYCOLATE PURE (67634-00-8)

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

ALLYL CYCLOHEXYL PROPIONATE (2705-87-5)

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

ALLYL HEPTOATE PURE (142-19-8)

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

Pentyl benzoate (2049-96-9)

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

1-Butanol, 2-methyl-, benzoate (52513-03-8)

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

BENZYL SALICYLATE (118-58-1)

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

PINENE BETA, NATURAL (18172-67-3)

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

CITRONELLOL (106-22-9)

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

HEXENYL ACETATE (CIS-3) (3681-71-8)

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

DIPROPYLENE GLYCOL (DPG) (25265-71-8)

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

CAPROIC ACID (142-62-1)

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

HEXENYL SALICYLATE (CIS-3) (65405-77-8)

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

ETHYL-2-METHYL BUTYRATE (7452-79-1)

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

HEXYL ACETATE, PURE (142-92-7)

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

HEXYL SALICYLATE (6259-76-3)

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

ISO CYCLOCITRAL PURE (1335-66-6)

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

OIL, GREEN APPLE*

Safety Data Sheet

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

TRIPLAL, PURE (27939-60-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
VERDOX PURE (OTBCHA) (88-41-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
VERTENEX (PTBCHA) (32210-23-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
METHYL GAMMA-IONONE EXTRA (127-51-5)
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GARDENOL (STYRALLYL ACETATE) (93-92-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
HEXENAL (TRANS 2)LEAF ALDEHYDE (6728-26-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
FRUCTONE, PURE (6413-10-1)
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
BENZYL BENZOATE (120-51-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

SDS Major/Minor	: None
Issue date	: 09/14/2018
Revision date	: 06/24/2020
Supersedes	: 09/14/2018

Full text of H-phrases:

H226	Flammable liquid and vapour
H227	Combustible liquid
H301	Toxic if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H320	Causes eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled

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.