

OIL, JASMINE*

Safety Data Sheet

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

Date of issue: 01/25/2019

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Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Product name : OIL, JASMINE*
CAS-No. : N/A
Product code : 50-8081-05
Product group : Trade product

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Saffire Blue Inc
344 Dundas Street
Woodstock, ON N4S1B4

1.4. Emergency telephone number

Emergency number : Chemtrec - USA: 800-424-9300 - International: 703-527-3887

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS-CA)

Skin corrosion/irritation Category 2 H315
Serious eye damage/eye irritation Category 2A H319
Skin sensitization, Category 1 H317

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) : Warning

Hazard statements (GHS-CA) : H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

Precautionary statements (GHS-CA) : P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
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.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
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

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SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
BENZYL ACETATE	acetic acid benzyl ester / acetic acid, phenylmethyl ester / acetoxymethylbenzene / alpha-acetoxytoluene / benteine / benzyl acetate / benzyl ethanoate / FEMA No 2135 / phenylmethyl acetate	(CAS-No.) 140-11-4	10 - 25	Not classified
ALPHA HEXYLCINNAMALDEHYDE		(CAS-No.) 101-86-0	10 - 25	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	10 - 25	Eye Irrit. 2B, H320 Skin Sens. 1B, H317
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-ocimanol / 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	5 - 10	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
AMYL CINNAMIC ALDEHYDE		(CAS-No.) 122-40-7	5 - 10	Skin Sens. 1B, H317
METHYL DIHYDROAJASMONATE	cyclopentaneacetic acid, 3-oxo-2-pentyl-, methyl ester / methyl (2-pentyl-3-oxocyclopentyl)acetate / methyl 3-oxo-2-pentylcyclopentaneacetate / methyl dihydrojasmonate	(CAS-No.) 24851-98-7	5 - 10	Not classified
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	5 - 10	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, 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- / cyclalial / cyclosia / FEMA No 2583 / fixol / hydroxycitronellal / lilyl aldehyde / muguet synthetic / muguettime principle / octanal, 7-hydroxy-3,7-dimethyl- / phixia	(CAS-No.) 107-75-5	5 - 10	Eye Irrit. 2A, H319 Skin Sens. 1B, H317
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	5 - 10	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Eye Irrit. 2A, H319

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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
DIETHYL PHTHALATE	1,2-benzene dicarboxylic acid diethyl ester / 1,2-benzenedicarboxylic acid, diethyl ester / ANOZOL / BISOFLEX DEP / DEP(=diethyl phthalate) / diethyl 1,2-benzenedicarboxylate / diethyl phthalate / diethyl-o-phthalate / diethyl-ortho-phthalate / di-n-ethyl phthalate / di-normal-ethyl phthalate / DPX-F5384 / ESTOL 1550 / ethyl phthalate / KODAFLEX DEP / NEANTINE / o-benzenedicarboxylic acid diethyl ester / o-phthalic acid diethyl ester / ortho-benzenedicarboxylic acid diethyl ester / ortho-phthalic acid diethyl ester / PALATINOL A / PALATINOL A (R) / phthalic acid diethyl ester / phthalic acid ethyl ester / PHTHALOL / PLACIDOL E / SOLVANOL	(CAS-No.) 84-66-2	1 - 5	Acute Tox. 3 (Inhalation:vapour), H331
1,1-Dimethyl-2-phenylethyl acetate	1,1-dimethyl-2-phenylethyl acetate / alpha,alpha-dimethylphenethyl acetate / alpha,alpha-dimethylphenethyl alcohol, acetate / benzeneethanol, alpha,alpha-dimethyl-, acetate / benzyldimethyl carbinyl acetate / dimethylbenzyl carbinol acetate / DMBCA / phenethyl alcohol, alpha,alpha-dimethyl-, acetate	(CAS-No.) 151-05-3	1 - 5	Not classified
ALPHA TERPINEOL		(CAS-No.) 98-55-5	1 - 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
AMYL SALICYLATE		(CAS-No.) 2050-08-0	1 - 5	Acute Tox. 4 (Oral), H302
PTBCHA		(CAS-No.) 32210-23-4	1 - 5	Skin Sens. 1B, H317
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
2-Methyl-3-(p-isopropylphenyl)propionaldehyde	2-methyl-3-(4-isopropylphenyl)propanal / 2-methyl-3-(para-isopropylphenyl)propionaldehyde / 2-methyl-3-(p-isopropylphenyl)propionaldehyde / 3-para-cumenyl-2-methylpropionaldehyde / 3-p-cumenyl-2-methylpropionaldehyde / aldehyde B / alpha-methyl-4-(1-methylethyl)benzenepropanal / alpha-methyl-4-isopropylbenzenepropanal / alpha-methyl-p-isopropylhydrocinnamaldehyde / benzenepropanal, alpha-methyl-4-(1-methylethyl)- / cyclamal / cyclamen aldehyde / FEMA No 2743 / hydrocinnamaldehyde, para-isopropyl-alpha-methyl- / hydrocinnamaldehyde, p-isopropyl-alpha-methyl- / methyl para-isopropyl phenyl propyl aldehyde / para-isopropyl-alpha-methylhydrocinnamaldehyde / para-isopropyl-alpha-methylhydrocinnamic aldehyde / para-isopropyl-alpha-methylphenylpropyl aldehyde / p-isopropyl-alpha-methylhydrocinnamaldehyde / p-isopropyl-alpha-methylhydrocinnamic aldehyde / p-isopropyl-alpha-methylphenylpropyl aldehyde	(CAS-No.) 103-95-7	1 - 5	Skin Irrit. 2, H315 Skin Sens. 1B, H317

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trans-Anethole	(E)-1-methoxy-4-(1-propenyl)benzene / (E)-4-propenylanisole / (E)-anethole / (E)-para-propenylanisole / (E)-p-propenylanisole / 1-methoxy-4-[1-propenyl]benzene, (E)- / 4-propenylanisole, (E)- / anethol, trans- / ANETHOLE 21/22 DEGREES "D" DSA / anethole, (E)- / anethole, trans- / anisole, para-propenyl-, (E)- / anisole, para-propenyl-, trans- / anisole, para-propenyl-, trans- / anisole, p-propenyl-, (E)- / anisole, p-propenyl-, trans- / benzene, 1-methoxy-4-(1-propenyl)-, (E)- / para-propenylanisole, (E)- / para-propenylanisole, trans- / p-propenylanisole, (E)- / p-propenylanisole, trans- / trans-1-methoxy-4-(1-propenyl)benzene / trans-anethole / trans-para-propenylanisole / trans-p-propenylanisole	(CAS-No.) 4180-23-8	0.1 - 1	Flam. Liq. 4, H227 Skin Sens. 1B, H317
Indole		(CAS-No.) 120-72-9	0.1 - 1	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311
METHYL ANTHRANILATE		(CAS-No.) 134-20-3	0.1 - 1	Eye Irrit. 2A, H319
BENZYL ALCOHOL	(hydroxymethyl)benzene / alpha-hydroxytoluene / alpha-hydroxytoluene / alpha-toluenol / benzal alcohol / benzenecarbinol / benzenemethanol / benzoyl alcohol / benzyl alcohol / benzylicum / hydroxytoluene / methanol, phenyl- / phenylcarbinol / phenylmethanol / phenylmethyl alcohol	(CAS-No.) 100-51-6	0.1 - 1	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319
LAURYL ALCOHOL		(CAS-No.) 112-53-8	< 0.1	Eye Irrit. 2A, H319

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.
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.

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.
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SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
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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.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

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6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
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 : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

BENZYL ACETATE (140-11-4)		
USA - ACGIH	ACGIH TWA (ppm)	10 ppm
USA - ACGIH	Remark (ACGIH)	URT irr
DIETHYL PHTHALATE (84-66-2)		
USA - ACGIH	ACGIH TWA (mg/m³)	5 mg/m³
USA - ACGIH	Remark (ACGIH)	URT irr

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:

In case of insufficient ventilation, wear suitable respiratory equipment

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 Colourless to light yellow White
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:
Characteristic odour Mild odour Floral odour Aromatic odour Fruity odour Pleasant odour
Strong odour Sweet odour Lemon 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

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Flash point	: 95 °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	: 0.996 (0.986 - 1.006)
Solubility	: Insoluble.
Log Pow	: No data available
Explosion limits	: No data available

9.2. Other information

Refractive index	: 1.508 (1.498 - 1.518)
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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)	: Not classified

Indole (120-72-9)	
LD50 oral	1000 mg/kg body weight
LD50 dermal	790 mg/kg body weight
ATE CA (oral)	1000 mg/kg body weight
ATE CA (dermal)	790 mg/kg body weight
ALPHA HEXYLCINNAMALDEHYDE (101-86-0)	
LD50 oral	3100 mg/kg body weight
ATE CA (oral)	3100 mg/kg body weight
ALPHA TERPINEOL (98-55-5)	
LD50 oral	4300 mg/kg body weight
ATE CA (oral)	4300 mg/kg body weight
AMYL CINNAMIC ALDEHYDE (122-40-7)	
LD50 oral	3730 mg/kg body weight
ATE CA (oral)	3730 mg/kg body weight
AMYL SALICYLATE (2050-08-0)	
LD50 oral	2000 mg/kg body weight
ATE CA (oral)	2000 mg/kg body weight
trans-Anethole (4180-23-8)	
LD50 oral rat	2090 mg/kg (Rat, Oral)
LD50 oral	3000 mg/kg body weight
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Dermal)
ATE CA (oral)	2090 mg/kg body weight
BENZYL ACETATE (140-11-4)	
LD50 oral rat	2490 mg/kg (Rat, Oral)
LD50 oral	2490 mg/kg body weight
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Dermal)
ATE CA (oral)	2490 mg/kg body weight

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BENZYL ALCOHOL (100-51-6)	
LD50 oral rat	1620 mg/kg bw/day (Rat, Male, Experimental value, Oral)
LD50 oral	1620 mg/kg body weight
LD50 dermal rabbit	> 2000 mg/kg (Rabbit, Inconclusive, insufficient data, Dermal)
LD50 dermal	2500 mg/kg body weight
LC50 inhalation rat (mg/l)	> 4.178 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Experimental value, Inhalation (aerosol))
ATE CA (oral)	1620 mg/kg body weight
ATE CA (dermal)	2500 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
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
2-Methyl-3-(p-isopropylphenyl)propionaldehyde (103-95-7)	
LD50 oral rat	3810 mg/kg (Rat, Oral)
LD50 oral	3810 mg/kg body weight
LD50 dermal rat	> 5000 mg/kg (Rat, Dermal)
ATE CA (oral)	3810 mg/kg body weight
DIETHYL PHTHALATE (84-66-2)	
LD50 oral rat	8600 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 7940 mg/kg (Rabbit, Dermal)
LC50 inhalation rat (mg/l)	> 5 mg/l (4 h, Rat, Inhalation)
ATE CA (oral)	8600 mg/kg body weight
ATE CA (vapours)	3 mg/l/4h
1,1-Dimethyl-2-phenylethyl acetate (151-05-3)	
LD50 oral rat	3300 mg/kg (Rat, Oral)
LD50 oral	3300 mg/kg body weight
LD50 dermal rabbit	> 3000 mg/kg (Rabbit, Dermal)
ATE CA (oral)	3300 mg/kg body weight
HYDROXYCITRONELLAL (107-75-5)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
LINALOOL (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
METHYL ANTHRANILATE (134-20-3)	
LD50 oral	2780 mg/kg body weight
ATE CA (oral)	2780 mg/kg body weight
METHYL DIHYDROAJASMONATE (24851-98-7)	
LD50 oral rat	> 5000 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Dermal)
PHENYLETHYL ALCOHOL (60-12-8)	
LD50 oral rat	> 1790 mg/kg (Rat, Oral)
LD50 oral	1610 mg/kg body weight

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PHENYLETHYL ALCOHOL (60-12-8)	
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

PTBCHA (32210-23-4)	
LD50 oral	3370 mg/kg body weight
ATE CA (oral)	3370 mg/kg body weight

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	: Not classified

Specific target organ toxicity – single exposure	: Not classified
	: Not classified

Specific target organ toxicity – repeated exposure

Aspiration hazard	: Not classified
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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.
Aquatic acute	: Not classified
Aquatic chronic	: Not classified

BENZYL ACETATE (140-11-4)	
LC50 fish 1	68 mg/l (96 h, Pisces)
Log Pow	1.96 - 2.0 (QSAR)

BENZYL ALCOHOL (100-51-6)	
LC50 fish 1	460 mg/l (EPA OPP 72-1, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 Daphnia 1	230 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Fresh water, Experimental value, GLP)
ErC50 (algae)	770 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
Log Pow	1 - 1.1 (Experimental value, 20 °C)

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)
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)

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BENZYL SALICYLATE (118-58-1)	
Log Pow	4.31 (Estimated value)
DIETHYL PHTHALATE (84-66-2)	
LC50 fish 1	17 ppm (96 h, Pimephales promelas, Flow-through system)
EC50 Daphnia 1	52 mg/l (48 h, Daphnia magna)
EC50 72h algae [mg/l] 1	23 mg/l (Scenedesmus subspicatus, Growth)
BCF fish 1	15 - 16 (Mugil cephalus)
BCF fish 2	117.5 (504 h, Lepomis macrochirus)
BCF other aquatic organisms 1	1100 ppb (Ostreidae, Fresh weight)
BCF other aquatic organisms 2	340 - 450 ppb (Lamellibranchiata, Fresh weight)
Log Pow	1.4 - 2.82
HYDROXYCITRONELLAL (107-75-5)	
Log Pow	2.11 (Estimated value)
LINALOOL (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 (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)
METHYL DIHYDROAJASMONATE (24851-98-7)	
Log Pow	3 (Estimated value)
PHENYLETHYL ALCOHOL (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)
12.2. Persistence and degradability	
BENZYL ACETATE (140-11-4)	
Persistence and degradability	Readily biodegradable in water.
BENZYL ALCOHOL (100-51-6)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.6 g O ₂ /g substance
Chemical oxygen demand (COD)	2.4 g O ₂ /g substance
ThOD	2.5 g O ₂ /g substance
BENZYL BENZOATE (120-51-4)	
Persistence and degradability	Readily biodegradable in water.
BENZYL SALICYLATE (118-58-1)	
Persistence and degradability	Biodegradability in water: no data available.
2-Methyl-3-(p-isopropylphenyl)propionaldehyde (103-95-7)	
Persistence and degradability	Biodegradability in water: no data available.
DIETHYL PHTHALATE (84-66-2)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
1,1-Dimethyl-2-phenylethyl acetate (151-05-3)	
Persistence and degradability	Biodegradability in water: no data available.
ThOD	2.5 g O ₂ /g substance
HYDROXYCITRONELLAL (107-75-5)	
Persistence and degradability	Readily biodegradable in water.
Chemical oxygen demand (COD)	2.65 g O ₂ /g substance

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LINALOOL (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 (115-95-7)	
Persistence and degradability	Readily biodegradable in water.

METHYL DIHYDROAJASMONATE (24851-98-7)	
Persistence and degradability	Readily biodegradable in water.

PHENYLETHYL ALCOHOL (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

BENZYL ACETATE (140-11-4)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Log Pow	1.96 - 2.0 (QSAR)

BENZYL ALCOHOL (100-51-6)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Log Pow	1 - 1.1 (Experimental value, 20 °C)

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)

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

2-Methyl-3-(p-isopropylphenyl)propionaldehyde (103-95-7)	
Bioaccumulative potential	No bioaccumulation data available.

DIETHYL PHTHALATE (84-66-2)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
BCF fish 1	15 - 16 (Mugil cephalus)
BCF fish 2	117.5 (504 h, Lepomis macrochirus)
BCF other aquatic organisms 1	1100 ppb (Ostreidae, Fresh weight)
BCF other aquatic organisms 2	340 - 450 ppb (Lamellibranchiata, Fresh weight)
Log Pow	1.4 - 2.82

1,1-Dimethyl-2-phenylethyl acetate (151-05-3)	
Bioaccumulative potential	No bioaccumulation data available.

HYDROXYCITRONELLAL (107-75-5)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Log Pow	2.11 (Estimated value)

LINALOOL (78-70-6)	
Bioaccumulative potential	Bioaccumable.
Log Pow	2.84 - 3.145

LINALYL ACETATE (115-95-7)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Log Pow	3.93 (Experimental value)

METHYL DIHYDROAJASMONATE (24851-98-7)	
Log Pow	3 (Estimated value)

PHENYLETHYL ALCOHOL (60-12-8)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Log Pow	1.38 (Experimental value)

12.4. Mobility in soil

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BENZYL ACETATE (140-11-4)	
Log Pow	1.96 - 2.0 (QSAR)
BENZYL ALCOHOL (100-51-6)	
Surface tension	39 mN/m (20 °C)
Ecology - soil	No (test)data on mobility of the substance available.
Log Pow	1 - 1.1 (Experimental value, 20 °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)
BENZYL SALICYLATE (118-58-1)	
Log Pow	4.31 (Estimated value)
DIETHYL PHTHALATE (84-66-2)	
Surface tension	0.0375 N/m (20 °C)
Log Pow	1.4 - 2.82
HYDROXYCITRONELLAL (107-75-5)	
Log Pow	2.11 (Estimated value)
LINALOOL (78-70-6)	
Log Pow	2.84 - 3.145
LINALYL ACETATE (115-95-7)	
Ecology - soil	Adsorbs into the soil.
Log Pow	3.93 (Experimental value)
METHYL DIHYDROAJASMONATE (24851-98-7)	
Log Pow	3 (Estimated value)
PHENYLETHYL ALCOHOL (60-12-8)	
Log Pow	1.38 (Experimental value)

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

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

Indole (120-72-9)
Listed on the Canadian DSL (Domestic Substances List)
LAURYL ALCOHOL (112-53-8)
Listed on the Canadian DSL (Domestic Substances List)
ALPHA HEXYLCINNAMALDEHYDE (101-86-0)
Listed on the Canadian DSL (Domestic Substances List)
ALPHA TERPINEOL (98-55-5)
Listed on the Canadian DSL (Domestic Substances List)
AMYL CINNAMIC ALDEHYDE (122-40-7)
Listed on the Canadian DSL (Domestic Substances List)
AMYL SALICYLATE (2050-08-0)
Listed on the Canadian DSL (Domestic Substances List)
trans-Anethole (4180-23-8)
Listed on the Canadian DSL (Domestic Substances List)
BENZYL ACETATE (140-11-4)
Listed on the Canadian DSL (Domestic Substances List)
BENZYL ALCOHOL (100-51-6)
Listed on the Canadian DSL (Domestic Substances List)
BENZYL BENZOATE (120-51-4)
Listed on the Canadian DSL (Domestic Substances List)
BENZYL SALICYLATE (118-58-1)
Listed on the Canadian DSL (Domestic Substances List)
2-Methyl-3-(p-isopropylphenyl)propionaldehyde (103-95-7)
Listed on the Canadian DSL (Domestic Substances List)
DIETHYL PHTHALATE (84-66-2)
Listed on the Canadian DSL (Domestic Substances List)
1,1-Dimethyl-2-phenylethyl acetate (151-05-3)
Listed on the Canadian DSL (Domestic Substances List)
HYDROXYCITRONELLAL (107-75-5)
Listed on the Canadian DSL (Domestic Substances List)
LINALOOL (78-70-6)
Listed on the Canadian DSL (Domestic Substances List)
LINALYL ACETATE (115-95-7)
Listed on the Canadian DSL (Domestic Substances List)
METHYL ANTHRANILATE (134-20-3)
Listed on the Canadian DSL (Domestic Substances List)
METHYL DIHYDROAJASMONATE (24851-98-7)
Listed on the Canadian DSL (Domestic Substances List)
PHENYLETHYL ALCOHOL (60-12-8)
Listed on the Canadian DSL (Domestic Substances List)
PTBCHA (32210-23-4)
Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

Indole (120-72-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
LAURYL ALCOHOL (112-53-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
ALPHA HEXYLCINNAMALDEHYDE (101-86-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
ALPHA TERPINEOL (98-55-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
AMYL CINNAMIC ALDEHYDE (122-40-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

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Safety Data Sheet

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

AMYL SALICYLATE (2050-08-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
trans-Anethole (4180-23-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
BENZYL ACETATE (140-11-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
BENZYL ALCOHOL (100-51-6)
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
BENZYL SALICYLATE (118-58-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
2-Methyl-3-(p-isopropylphenyl)propionaldehyde (103-95-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
DIETHYL PHTHALATE (84-66-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
1,1-Dimethyl-2-phenylethyl acetate (151-05-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
HYDROXYCITRONELLAL (107-75-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
LINALOOL (78-70-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
LINALYL ACETATE (115-95-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
METHYL ANTHRANILATE (134-20-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
METHYL DIHYDROAJASMONATE (24851-98-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
PHENYLETHYL ALCOHOL (60-12-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
PTBCHA (32210-23-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

SDS Major/Minor : None
Date of issue : 01/25/2019
Revision date : 01/25/2019

Full text of H-phrases:

H227	Combustible liquid
H302	Harmful if swallowed
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
H331	Toxic 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