

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name: OATMEAL MAPLE CRUNCH

UFI#

1.2 Relevant identified product use

Intended use: Compound used in customer substance/mixture/product

1.3 Details of the manufacturer/supplier of the safety data sheet

Supplier: Lone Star Candle Supply, Inc.
5800 Park Vista Circle
Keller, TX 76244
Ph#1 (800) 929-9425
F#1 (817) 741-0879
Web: www.lonestarcandlesupply.com

1.4 Emergency telephone number

1 (817) 741-0876 Domestic USA, Canada, Puerto Rico, and US Virgin Islands
International

2. Hazards Identification

2.1 Classification of the substance or mixture

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/irritation, Category 2	H319 : Causes serious eye irritation
Skin sensitisation, Category 1	H317 : May cause an allergic skin reaction
Hazardous to the aquatic environment - Chronic Hazard, Category 2	H411 : Toxic to aquatic life with long lasting effects

Adverse physiochemical, human health and environmental effects

May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :





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Hazard pictograms

- Signal Word (CLP)** : Warning
- Hazardous ingredients** : TIMBERSILK; HELIOTROPIN; STRAWBERRY FURANONE; METHYL CYCLOPENTENOLONE; COUMARIN; EUGENOL; CINNAMAC ALDEHYDE; ACETYL PROPIONYL; BENZYL SALICYLATE
- Hazard statements (CLP)** : H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H411 - Toxic to aquatic life with long lasting effects.
- Precautionary statements (CLP)** : 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.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing 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).
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.
P391 - Collect spillage.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

3.1 Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

3. Composition/Information on Ingredients

3.1 Substances

Not applicable

3.2 Mixtures

CAS# Ingredient	EC#	Conc. Range	GHS Classification
103-23-1 DIOCTYL ADIPATE	203-090-1	30 - 70	Not classified

substance with national workplace exposure limit(s)
(PL)



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CAS# Ingredient	EC#	Conc. Range	GHS Classification
103-23-1 DIOCTYL ADIPATE <i>substance with national workplace exposure limit(s)</i> (PL)	203-090-1	30 - 70	Not classified
121-33-5 VANILLIN	204-465-2	5 - 10	H319; H412
121-32-4 ETHYL VANILLIN	204-464-7	5 - 10	H319;H412
4940-11-8 2-ethyl-3-hydroxypyran-4-one	225-582-5	1 - 5	H302
120-51-4 BENZYL BENZOATE	204-402-9	1 - 5	H302; H400; H410
91-64-5 COUMARIN	204-402-9	1 - 5	H301; H317; H411
104-55-2 CINNAMAL	202-086-7	1 - 5	H312; H315; H319; H317; H412
104-67-6 GAMMA-UNDECALACTONE	203-213-9	1 - 5	H411
513-86-0 ACETOIN	203-225-4	1 - 5	H226; H373
120-57-0 1,3-benzodioxole-5-carbaldehyde	208-174-1	< 0.5	H317
765-70-8 METHYL CYCLOPENTENOLONE	204-409-7	< 0.5	H302; H317
600-14-6 ACETYL PROPIONYL <i>substance with national workplace exposure limit(s)</i> (DE)	209-984-8	< 0.5	H225; H318; H317; H373
100-52-7 BENZALDEHYDE <i>substance with national workplace exposure limit(s)</i> (BG, FI, HU, LT, LV, PL)	202-860-4	< 0.5	H302; H312; H332; H319; H335; H412
54464-57-2 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	259-174-3	< 0.5	H315; H317; H411
118-58-1 BENZYL SALICYLATE	204-262-9	< 0.5	H319; H317; H411
97-53-0 EUGENOL	202-589-1	< 0.5	H319; H317
164-19-7 ACETIC ACID <i>substance with national workplace exposure limit(s)</i> (AT, BE, BG, CZ, DE, DK, EE, ES, FI, GB, GI, HU, IE, LT, LU, LV, MT, NL, PL, PT, RO, SE, SK, NO, CH); <i>substance with a Community workplace exposure limit</i>	200-580-7	< 0.5	H226; H312; H314; H318



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CAS# Ingredient	EC#	Conc. Range	GHS Classification
431-03-8 2,3-BUTANEDIONE <i>substance with national workplace exposure limit(s) (BE, BG, CZ, DE, DK, EE, ES, FI, GB, GI, HU, IE, LT, LU, LV, MT, NL, PL, PT, RO, SE, SK, NO, CH); substance with a Community workplace exposure limit</i>	207-069-8	< 0.5	H224; H302; H331; H315; H318; H317; H373
5989-27-5 LIMONENE <i>substance with national workplace exposure limit(s) (BE, DE, ES, FI, NO, CH)</i>	227-813-5	< 0.5	H226; H315; H317; H304; H400; H410
79-09-4 PROPIONIC ACID <i>substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH, TR); substance with a Community workplace exposure limit</i>	201-176-3	< 0.5	H226; H314; H318; H335
3658-77-3 STRAWBERRY FURANONE	222-908-8	< 0.5	H302; H314; H318; H317
80-56-8 ALPHA PINENE <i>substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO, CH)</i>	201-291-9	< 0.5	H226; H302; H315; H317; H304; H400; H410
8016-26-0 LABDANUM RESIN <i>substance with national workplace exposure limit(s) (BE)</i>			H317; H412
5989-27-5 LIMONENE <i>substance with national workplace exposure limit(s) (BE, DE, ES, FI, NO, CH)</i>	227-813-5	< 0.5	H226; H315; H317; H304; H400; H410

Specific concentration limits:

Name	Product identifier	Specific concentration limits
ACETIC ACID	(CAS-No.) 64-19-7 (EC-No.) 200-580-7 (EC Index-No.) 607-002-00-6	(10≤C < 25) Skin Irrit. 2, H315 (10≤C < 25) Eye Irrit. 2, H319 (25≤C < 90) Skin Corr. 1B, H314 (90≤C < 100) Skin Corr. 1A, H314



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4. First Aid Measures

4.1 Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable 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 or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

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

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

5. Fire-Fighting measures

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3 Advice for firefighters

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

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

6.1.2 For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8. "Exposure controls/personal protection".

6.2 Environmental Precautions

Avoid release to the environment

6.3 Methods and material for containment and cleaning up

For containment	: Collect spillage.
Methods for cleanup	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

For further information refer to section 13

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. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.
Hygiene measures	: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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 in a well-ventilated place. Keep cool.
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7.3 Specific end use(s)

No additional information available.

8. Exposure controls/personal protection

8.1 Control parameters

PROPIONIC ACID (79-09-4)

EU	Local name	Propionic acid
EU	IOEL TWA	31 mg/m ³
EU	IOEL TWA [ppm]	10 ppm
EU	IOEL STEL	62 mg/m ³
EU	IOEL STEL [ppm]	20 ppm
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Germany	Notes	
United Kingdom	Local name	Propionic acid
United Kingdom	WEL TWA (OEL TWA) [1]	31 mg/m ³
United Kingdom	WEL TWA (OEL TWA) [2]	10 ppm
United Kingdom	WEL STEL (OEL STEL)	46 mg/m ³
United Kingdom	WEL STEL (OEL STEL) [ppm]	15 ppm
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

2,3-BUTANEDIONE (431-03-8)

EU	Local Name	Diacetyl; Butanedione
EU	IOEL TWA	0.07 mg/m ³
EU	IOEL TWA [ppm]	0.02 ppm
EU	IOEL STEL	0.36 mg/m ³
EU	IOEL STEL [ppm]	0.1ppm
EU	Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164
Germany	Notes	
United Kingdom	Local Name	Diacetyl (Butanedione)
United Kingdom	WEL TWA (OEL TWA) [1]	0.07 mg/m ³
United Kingdom	WEL TWA (OEL TWA) [2]	0.2 ppm
United Kingdom	WEL STEL (OEL STEL)	0.36 mg/m ³
United Kingdom	WEL STEL (OEL STEL) [ppm]	0.1 ppm
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

ACETIC ACID (64-19-7)

EU	Local Name	Acetic acid
EU	IOEL TWA	25 mg/m ³
EU	IOEL TWA [ppm]	10 ppm
EU	IOEL STEL	50 mg/m ³
EU	IOEL STEL [ppm]	20 ppm
EU	Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164
Germany	Notes	
United Kingdom	Local Name	Acetic acid
United Kingdom	WEL TWA (OEL TWA) [1]	25 mg/m ³
United Kingdom	WEL TWA (OEL TWA) [2]	10 ppm
United Kingdom	WEL STEL (OEL STEL)	50 mg/m ³
United Kingdom	WEL STEL (OEL STEL) [ppm]	20ppm
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

8.2 Exposure Controls
Appropriate engineering controls:

Ensure good ventilation of the work station.

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.

Environmental exposure controls : Avoid release to the environment

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Color	: No data available
Odor	: No data available

Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 100°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability	: Non flammable
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2 Other information

No additional information available

10. Stability and reactivity

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified



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1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (54464-57-2)

LD50 oral rat : ≥ 5000 mg/kg
LD50 dermal rat : ≥ 5000 mg/kg

BENZYL BENZOATE (120-51-4)

LD50 oral rat : > 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male/
female, Experimental value, Oral, 14 day(s))
LD50 oral : 1500 mg/kg bodyweight
LD50 dermal rabbit : > 2 ml/kg (Modification of Draize 1959 method, 4 h, Rabbit, Experimental
value, Dermal)
LD50 dermals : 4000 mg/kg bodyweight

PROPIONIC ACID (79-09-4)

LD50 oral : 3455 mg/kg bodyweight
LD50 dermal : 3235 mg/kg bodyweight

1,3-benzodioxole-5-carbaldehyde (120-57-0)

LD50 oral rat : 2700 mg/kg (Rat, Oral)
LD50 oral : 2700 mg/kg bodyweight
LD50 dermal rabbit : > 5000 mg/kg (Rat, Dermal)

ALPHA PINENE (80-56-8)

LD50 oral rat : 3700 mg/kg (Rat, Male, Weight of evidence, Oral)
LD50 oral : 500 mg/kg bodyweight
LD50 dermal rabbit : > 5000 mg/kg (24 h, Rabbit, Weight of evidence, Dermal)

STRAWBERRY FURANONE (3658-77-3)

LD50 oral : 1608 mg/kg bodyweight

ETHYL VANILLIN (121-32-4)

LD50 oral rat : > 3160 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male/
female, Experimental value, Oral 14 day(s))
LD50 oral : 3000 mg/kg bodyweight
LD50 dermal rat : > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat,
Male/female, Experimental value, Dermal, 14 day(s))

2-ethyl-3-hydroxypyran-4-one (4940-11-8)

LD50 oral rat : 1150 mg/kg (Rat, Oral)
LD50 oral : 1200 mg/kg bodyweight
LD50 dermal rabbit : > 5000 mg/kg (Rabbit, Dermal)

LIMONENE (5989-27-5)

LD50 oral rat : > 2000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity - Acute Toxic
Class Method, Rat, Female, Read-across, Oral)
LD50 dermal rabbit : > 5000 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit,
Weight of evidence, Dermal)

DIOCTYL ADIPATE (103-23-1)

LD50 oral rat : > 20000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male/
female, Experimental value, Oral)
LC50 Inhalation - Rat : > 5.7 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female,
Experimental value, Inhalation (aerosol))



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2,3-BUTANEDIONE (431-03-8)

LD50 oral : 1580 mg/kg bodyweight
LC50 Inhalation - Rat (Vapors) : 3 mg/l/4h

METHYL CYCLOPENTENOLONE (765-70-8)

LD50 oral : 1067 mg/kg bodyweight

COUMARIN (91-64-5)

LD50 oral rat : 293 mg/kg bodyweight (Rat, Male/female, Experimental value, Oral)
LD50 oral : 500 mg/kg bodyweight

EUGENOL (97-53-0)

LD50 oral : 2500 mg/kg bodyweight

CINNAMAL (104-55-2)

LD50 oral : 2200 mg/kg bodyweight
LD50 dermal : 1100 mg/kg bodyweight

BENZALDEHYDE (100-52-7)

LD50 oral rat : 1300 mg/kg (Rat, Oral)
LD50 oral : 1430 mg/kg bodyweight
LD50 dermal rat : > 1250 mg/kg (Rat, Dermal)
LD50 dermal rabbit : 5000 mg/kg (Rabbit, Dermal)
LD50 dermal : 2500 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist) : 1.5 mg/l/4h

GAMMA-UNDECALACTONE (104-67-6)

LD50 oral rat : > 2000 mg/kg bodyweight (Equivalent or similar to OECD 420, Rat, Male/female, Read-across, Oral)
LD50 dermal rat : > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value, Dermal)

ACETYL PROPIONYL (600-14-6)

LD50 oral rat : 3000 mg/kg (Rat, Oral)
LD50 oral : 3000 mg/kg bodyweight
LD50 dermal : 2500 mg/kg bodyweight

ACETION (513-86-0)

LD50 oral rat : > 5000 mg/kg (Rat, Oral)
LD50 dermal rat : > 5000 mg/kg (Rat, Dermal)

ACETIC ACID (64-19-7)

LD50 oral rat : 3310 mg/kg bodyweight (Rat, Male/female, Experimental value, Oral)
LD50 oral : 3540 mg/kg bodyweight
LD50 dermal : 1100 mg/kg bodyweight
LC50 Inhalation - Rat : 11.4 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Female, Experimental value, Inhalation (vapors), 14 day(s))

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BENZYL SALICYLATE (118-58-1)

LD50 oral rat : 3031 - 3339 mg/kg bodyweight (EU Method B.1: Acute Toxicity (Oral), Rat, Male/female, Read-across, Oral, 14 day(s))
LD50 oral : 2200 mg/kg bodyweight
LD50 dermal rabbit : > 2000 mg/kg bodyweight (EU Method B. 3: Acute toxicity (dermal), 24 h, Rabbit, Male/female, Read-across, Dermal, 14 day(s))

LIMONENE (5989-27-5)

LD50 oral rat : > 2000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity - Acute Toxic Class Method, Rat, Female, Read-across, Oral)
LD50 dermal rabbit : > 5000 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Weight of evidence, Dermal)

LABDANUM RESIN (8016-26-0)

LD50 oral rat : 8980 mg/kg (Rat, Oral)

VANILLIN (121-33-5)

LD50 oral rat : 3300 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value, Oral, 14 day(s))
LD50 oral : 3500 mg/kg bodyweight
LD50 dermal rat : > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value, Dermal, 14 day(s))

Skin corrosion/irritation : Not classified
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

LIMONENE (5989-27-5)

IARC group : 3 - Not classifiable

DIOCTYL ADIPATE (103-23-1)

IARC group : 3 - Not classifiable

COUMARIN (91-64-5)

IARC group : 3 - Not classifiable

EUGENOL (97-53-0)

IARC group : 3 - Not classifiable

LIMONENE (5989-27-5)

IARC group : 3 - Not classifiable

Reproductive toxicity : Not classified
STOT - single-exposure : Not classified
STOT - repeated exposure : Not classified
Aspiration hazard : Not classified

12. Ecological information

12.1 Toxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (54464-57-2)

LC50 - Fish [1]	: ≈ 1.3 mg/l Bluegill Sunfish
EC50 - Crustacea [1]	: ≈ 1.38 mg/l Water Flea
ErC50 algae	: ≈ 2.6 mg/l Green Algae

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 - Crustacea [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 [1]	: 0.475 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate)

ETHYL VANILLIN (121-32-4)

LC50 - Fish [1]	: 87.6 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)
EC50 - Crustacea [1]	: 36.79 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Read-across GLP)

LIMONENE (5989-27-5)

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 - Crustacea [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 [1]	: 150 mg/l (OECD 201: Alga, Growth Inhibition Test, Desmodesmus subspicatus, Static system, Fresh water, Read-across GLP)

DIOCTYL ADIPATE (103-23-1)

LC50 - Fish [1]	: 54 - 150 mg/l (96 h, Salmo gairdneri, Static system)
EC50 - Crustacea [1]	: > 500 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 72h - Algae [1]	: > 500 mg/l (DIN 38412-9, Scenedesmus subspicatus, Static system, Fresh water, Experimental value Biomass)

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COUMARIN (91-64-5)

LC50 - Fish [1] : 2.94 mg/l (96 h, Pisces, QSAR)
EC50 - Crustacea [1] : 24.3 - 36.9 mg/l (48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
EC50 96h - Algae [1] : 1.452 mg/l (Algae, QSAR)

BENZALDEHYDE (100-52-7)

LC50 - Fish [1] : 11.2 mg/l (96 h, Salmo gairdneri, Flow-through system)
EC50 - Crustacea [1] : 50 mg/l (24 h, Daphnia magna)
EC50 72h - Algae [1] : 34 mg/l (Scenedesmus quadricauda)

GAMMA-UNDECALACTONE (104-67-6)

LC50 - Fish [1] : 21.5 mg/l (DIN 38412-15, 96 h, Leuciscus idus, Static system, Fresh water, Read-across, Nominal concentration)
EC50 - Crustacea [1] : 5.853 mg/l (EU Method C.2, 48 h Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 algae : 5.94 mg/l (OECD 201: Alga, Growth Inhibition Test, 48 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

ACETIC ACID (64-19-7)

LC50 - Fish [1] : > 1000 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value)
EC50 - Crustacea [1] : > 1000 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 72 h - Algae [1] : > 1000 mg/l (ISO 10253, Skeletonema costatum, Static system, Salt water, Experimental value, GLP)

BENZYL SALICYLATE (118-58-1)

LC50 - Fish [1] : 1.03 mg/l (EU Method C. 1, 96 h, Danio rerio, Semi-static system, Fresh Water, Experimental value GLP)
EC50 - Crustacea [1] : 1.16 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
EC50 72h - Algae [1] : 150 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Experimental value, GLP)

LIMONENE (5989-27-5)

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 - Crustacea [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 [1] : 150 mg/l (OECD 201: Alga, Growth Inhibition Test, Desmodesmus subspicatus, Static system, Fresh water, Read-across, GLP)

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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 - Crustacea [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)

12.2 Persistence and degradability**BENZYL BENZOATE (120-51-4)**

Persistence and degradability

: Readily biodegradable in water.

1,3-benzodioxole-5-carbaldehyde (120-57-0)

Persistence and degradability

: Biodegradable in the soil Readily biodegradable in water.

ThOD

: 1.71 g O₂/g substance**ALPHA PINENE (80-56-8)**

Persistence and degradability

: Readily biodegradable in water.

ETHYL VANILLIN (121-32-4)

Persistence and degradability

: Readily biodegradable in water.

ThOD

: 1.81 g O₂/g substance

BOD (% of ThOD)

: 0.529 (5 day(s), Literature study)

2-ethyl-3-hydroxypyran-4-one (4940-11-8)

Persistence and degradability

: Biodegradability in water: no data available.

LIMONENE (5989-27-5)

Persistence and degradability

: Readily biodegradable in water.

ThOD

: 3.29 g O₂/g substance**DIOCTYL ADIPATE (103-23-1)**

Persistence and degradability

: Readily biodegradable in water.

COUMARIN (91-64-5)

Persistence and degradability

: Readily biodegradable in water.

BENZALDEHYDE (100-52-7)

Persistence and degradability

: Biodegradable in the soil. Readily biodegradable in water.

Biochemical oxygen demand (BOD)

: 1.62 g O₂/g substance

Chemical oxygen demand (COD)

: 1.98 g O₂/g substance

ThOD

: 2.42 g O₂/g substance

BOD (% of ThOD)

: 0.67

GAMMA-UNDECALACTONE (104-67-6)

Persistence and degradability

: Readily biodegradable in water.



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ACETYL PROPIONYL (600-14-6)

Persistence and degradability : Biodegradability in water: no data available.

ACETOIN (513-86-0)

Persistence and degradability : Biodegradability in water: no data available.

ACETIC ACID (64-19-7)

Persistence and degradability : Readily biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD) : 0.6 - 0.74 g O₂/g substance
Chemical oxygen demand (COD) : 1.03 g O₂/g substance
ThOD : 1.07 g O₂/g substance

BENZYL SALICYLATE (118-58-1)

Persistence and degradability : Readily biodegradable in water.

LIMONENE (5989-27-5)

Persistence and degradability : Readily biodegradable in water.
ThOD : 3.29 g O₂/g substance

LABDANUM RESIN (8016-26-0)

Persistence and degradability : Biodegradability in water: no data available

VANILLIN (121-33-5)

Persistence and degradability : Readily biodegradable in water

12.3 Bioaccumulative potential

BENZYL BENZOATE (120-51-4)

BCF - Fish [1] : 2.286 (BCFBAF v3.00, Pisces, QSAR)
Partition coefficient n-octanol/water (Log Pow) : 3.97 (Experimental value, 25°C)
Bioaccumulative potential : Low potential for bioaccumulation (Log Kow < 4)

1,3-benzodioxole-5-carbaldehyde (120-57-0)

Partition coefficient n-octanol/water (Log Pow) : 1.05
Bioaccumulative potential : Low potential for bioaccumulation (Log Kow < 4)

ALPHA PINENE (80-56-8)

BCF - Fish [1] : 718 (Pimephales promelas, QSAR)
Partition coefficient n-octanol, water (Log Pow) : 4.487 (Experimental, value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25°C)
Bioaccumulative potential : Potential for bioaccumulation (500 ≤ BCF ≤ 5000)

ETHYL VANILLIN (121-32-4)

Partition coefficient n-octanol/water (Log Pow) : 1.58 (Experimental value, Equivalent or similar to OECD 107, 25°C).
Bioaccumulative potential : Low potential for bioaccumulation (Log Kow < 4)

2-ethyl-3-hydroxypyran-4-one (4940-11-8)

Bioaccumulative potential : No bioaccumulation data available

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LIMONENE (5989-27-5)

BCF - Fish [1] : 864.8 - 1022 (Pisces, QSAR, Fresh weight)
Partition coefficient n-octanol/water (Log Pow) : 4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37°C)
Bioaccumulative potential : Potential for bioaccumulation ($4 \geq \text{Log Kow} \leq 5$)

DIOCTYL ADIPATE (103-23-1)

BCF - Fish [1] : 27 (Other, 28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value)
BCF - Fish [2] : (Calculated value)
Partition coefficient n-octanol/water (Log Pow) : 8.1 (Calculated)
Bioaccumulative potential : Low potential for bioaccumulation (BCF < 500)

COUMARIN (91-64-5)

Partition coefficient n-octanol/water (Log Pow) : 1.39 (QSAR, 25°C)
Bioaccumulative potential : Low potential for bioaccumulation (Log Kow < 4)

BENZALDEHYDE (100-52-7)

BCF - Other aquatic organisms [1] : 4.2 - 7.8 (Estimated value)
Partition coefficient n-octanol/water (Log Pow) : 1.48 (Experimental value)

GAMMA-UNDECALACTONE (104-67-6)

BCF - Other aquatic organisms [1] : 47.79 - 420.9 (BCFBAF v3.01, QSAR)
Partition coefficient n-octanol/water (Log Pow) : 3.6 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25°C)
Bioaccumulative potential : Low potential for bioaccumulation (Log Kow < 4)

ACETYL PROPIONYL (600-14-6)

Bioaccumulative potential : No bioaccumulation data available.

ACETOIN (513-86-0)

Bioaccumulative potential : No bioaccumulation data available.

ACETIC ACID (64-19-7)

BCF - Fish [1] : 3.16 (Pisces, Fresh water, QSAR)
Partition coefficient n-octanol/water (Log Pow) : -0.17 (Experimental value, 25°C)
Bioaccumulative potential : Not bioaccumulative

BENZYL SALICYLATE (118-58-1)

BCF - Fish [1] : 1170 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Danio rerio, Flow-through system, Fresh water, Read-across, GLP)
Partition coefficient n-octanol/water (Log Pow) : 4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Bioaccumulative potential : Potential for bioaccumulation ($500 \geq \text{Log Kow} \geq 5$)



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LIMONENE (5989-27-5)

BCF - Fish [1] : 864.8 - 1002 (Pisces, QSAR, Fresh weight)
Partition coefficient n-octanol/water (Log Pow) : 4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37°C)
Bioaccumulative potential : Potential for bioaccumulation ($4 \geq \text{Log Kow} \leq 5$)

LABDANUM RESIN (8016-26-0)

Bioaccumulative potential : No bioaccumulation data available.

VANILLIN (121-33-5)

Partition coefficient n-octanol/water (Log Pow) : 1.17 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25°C)

12.4 Mobility in soil

BENZYL BENZOATE (120-51-4)

Surface tension : 0.027 N/m (210°C)
Organic Carbon Normalized Adsorption Coefficient (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)
Ecology - soil : Low potential for mobility in soil

ALPHA PINENE (80-56-8)

Ecology - soil : Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.

ETHYL VANILLIN (121-32-4)

Organic Carbon Normalized Adsorption Coefficient (Log Koc) : 3.092 (log Koc, Equivalent or similar to OECD 106, Experimental value)

LIMONENE (5989-27-5)

Ecology - soil : Adsorbs into the soil

DIOCTYL ADIPATE (103-23-1)

Organic Carbon Normalized Adsorption Coefficient (Log Koc) : 4.687 (log Koc, SRC PCKOCWIN v1.66, Calculated value)
Ecology - soil : Low potential for mobility in soil

COUMARIN (91-64-5)

Organic Carbon Normalized Adsorption Coefficient (Log Koc) : 1.63 (log Koc, QSAR)
Ecology - soil : Highly mobile in soil

BENZALDEHYDE (100-52-7)

Surface tension : 0.04 N/m (20°C)

GAMMA-UNDECALACTONE (104-67-6)

Organic Carbon Normalized Adsorption Coefficient (Log Koc) : 2.6 - 2.85 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Ecology - soil : Low potential for mobility in soil

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ACETIC ACID (64-19-7)

Surface tension : 26.3 mN/m (30°C)
Ecology - soil : Highly mobile in soil. May be harmful to plant growth, blooming and fruit formation.

BENZYL SALICYLATE (118-58-1)

Surface tension : 69 mN/m (20°C, 0.004 g/l, EU Method A.5: Surface tension
Organic Carbon Normalized Adsorption : 3.75 (log Koc, OECD 121: Estimation of the Adsorption Coefficient
Coefficient (Log Koc) (Koc) on Soil and on Sewage Sludge using High Performance
Liquid Chromatography (HPLC), Experimental value)
Ecology - soil : Low potential for mobility in soil.

LIMONENE (5989-27-5)

Ecology - soil : Adsorbs into the soil

VANILLIN (121-33-5)

Organic Carbon Normalized Adsorption : 3.438 (log Koc, Experimental value)
Coefficient (Log Koc)
Ecology - soil : Low potential for mobility in soil.

12.5 Results of PBT and vPvB assessment**Component**

BENZYL BENZOATE (120-51-4) : This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
: This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

ALPHA PINENE (80-56-8) : This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
: This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

ETHYL VANILLIN (121-32-4) : This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
: This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

LIMONENE (5989-27-5) : This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
: This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

DIOCTYL ADIPATE (103-23-1) : This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
: This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

COUMARIN (91-64-5) : This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
: This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

GAMMA-UNDECALACTONE (104-67-6) : This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
: This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII



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ACETIC ACID (64-19-7)	: This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII : This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
BENZYL SALICYLATE (118-58-1)	: This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII : This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
LIMONENE (5989-27-5)	: This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII : This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
VANILLIN (121-33-5)	: This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII : This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6 Other adverse effects

No additional information available.

13. Disposal considerations

13.1 Waste treatment methods

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

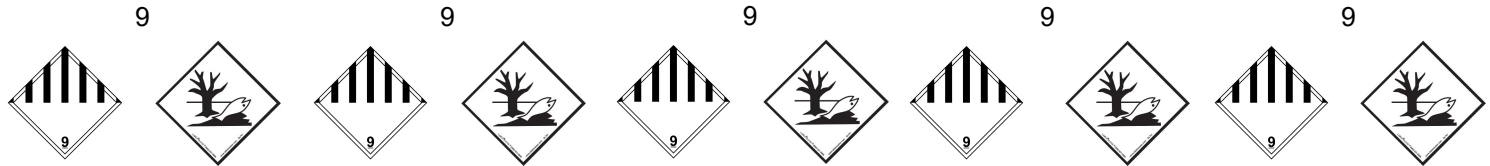
14. Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1 UN Number				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2 UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE; COUMARIN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (BENZYL BENZOATE; COUMARIN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (BENZYL BENZOATE; COUMARIN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (BENZYL BENZOATE; COUMARIN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (BENZYL BENZOATE; COUMARIN)

Transport document description

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE; COUMARIN), 9, III (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE; COUMARIN), 9, III, MARINE POLLUTANT	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (BENZYL BENZOATE; COUMARIN), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE; COUMARIN), 9 III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE; COUMARIN), 9, III
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14.3 Transport hazard class(es)

14.4 Packing group

III

III

III

III

III

14.5 Environmental hazards

 Dangerous for the
 environment: Yes

 Dangerous for the
 environment: Yes
 Marine pollutant: Yes

 Dangerous for the
 environment: Yes

 Dangerous for the
 environment: Yes

 Dangerous for the
 environment: Yes

No supplementary information available

14.6 Special precautions for user
Overland transport

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 375, 601
Limited quantities (ADR)	: 5I
Excepted quantities	: E1
Packing instructions	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank & bulk container instructions (ADR)	: T4
Portable tank & bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	: 3082





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Tunnel restriction code (ADR)	: -
EAC Code	: •3Z
Transport by sea	
Special provisions (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A
Air transport	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197, A215
ERG code (IATA)	: 9L
Inland waterway transport	
Classification code (ADN)	: M6
Special provisions (ADN)	: 274, 335, 375, 601
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: P001, IBC03, LP01, R001
Equipment required (ADN)	: PP1
Number of blue cones/lights (ADN)	: MP19
Rail transport	
Classification code (RID)	: M6
Special provisions (RID)	: 274, 335, 375, 601
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001: IBC03, LP01, R001
Special packing provisions (RID)	: PP1
Mixed packing provisions (RID)	: MP19
Portable tank & bulk container instructions (RID)	: T4
Portable tank & bulk container special provisions (RID)	: TP1, TP29
Tank codes for RID tanks (RID)	: LGBV
Transport category (RID)	: 3
Special provisions for carriage - Packages (RID)	: W12
Special provisions for carriage - Loading, unloading and handling (RID)	: CW13, CW31
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 90

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU-Regulations

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)
Contains no substance(s) listed on the REACH Candidate List
Contains no substance(s) listed on REACH Annex XIV (Authorisation List)
Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)
Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

15.1.2 National regulations

No additional information available

15.2 Chemical safety assessment

No chemical safety assessment has been carried out

16. Other information

Abbreviations and acronyms

ADN	: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	: European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	: Acute Toxicity Estimate
BCF	: Bioconcentration factor
BLV	: Biological limit value
BOD	: Biochemical oxygen demand
COD	: Chemical oxygen demand
DMEL	: Derived Minimal Effect Level
DNEL	: Derived-No Effect Level
EC-No.	: European Community Number
EC50	: Median effective concentration
EN	: European Standard
IARC	: International Agency for Research on Cancer
IATA	: International Air Transport Association
IMDG	: International Maritime Dangerous Goods
LC50	: Median lethal concentration
LD50	: Median lethal dose
LOAEL	: Lowest Observed Adverse Effect Level
NOAEC	: No-Observed Adverse Effect Concentration
NOAEL	: No-Observed Adverse Effect Level
NOEC	: No-Observed Adverse Effect Concentration
OECD	: Organisation for Economic Co-operation and Development
OEL	: Occupational Exposure Limit
PBT	: Persistent Bioaccumulative Toxic
PNEC	: Predicted No-Effect Concentration
RID	: Regulations concerning the International Carriage of Dangerous Goods by Rail



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SDS	: Safety Data Sheet
STP	: Sewage treatment plant
ThOD	: Theoretical oxygen demand
TLM	: Medium Tolerance Limit
VOC	: Volatile Organic Compounds
CAS-No.	: Chemical Abstract Service number
N.O.S	: Not Otherwise Specified
vPvB	: Very Persistent and Very Bioaccumulative
ED	: Endocrine disrupting properties

Full text of H- and EUH - statements:

Acute Tox. 3 (Inhalation)	: Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	: Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	: Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	: Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation: dust, mist)	: Acute toxicity (inhalation: dust, mist) Category 4
Acute Tox. 4 (Oral)	: Acute toxicity (oral), Category 4
Aquatic Acute 1	: Hazardous to the aquatic environment - Acute Hazard, Category 1
Aquatic Chronic 1	: Hazardous to the aquatic environment - Chronic Hazard, Category 1
Aquatic Chronic 2	: Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3	: Hazardous to the aquatic environment - Chronic Hazard, Category 3
Asp. Tox. 1	: Aspiration hazard, Category 1
Eye Dam. 1	: Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	: Serious eye damage/eye irritation, Category 2
Flam. Liq. 1	: Flammable liquids, Category 1
Flam. Liq. 2	: Flammable liquids, Category 2
Flam. Liq. 3	: Flammable liquids, Category 3
H224	: Extremely flammable liquid and vapor
H225	: Highly flammable liquid and vapor
H226	: Flammable liquid and vapor
H301	: Toxic if swallowed
H302	: Harmful if swallowed
H304	: May be fatal if swallowed and enters airways
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
H331	: Toxic if inhaled
H332	: Harmful if inhaled
H335	: May cause respiratory irritation
H373	: May cause damage to organs through prolonged or repeated exposure.
H400	: Very toxic to aquatic life
H410	: Very toxic to aquatic life with long lasting effects.



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H411	: Toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects
Skin Corr. 1A	: Skin corrosion/irritation, Category 1, Sub-category 1A
Skin Corr. 1B	: Skin corrosion/irritation, Category 1, Sub-category 1B
Skin Irrit. 2	: Skin corrosion/irritation, Category 2
Skin Sens. 1	: Skin sensitisation, Category 1
Skin Sens. 1A	: Skin sensitisation, Category 1A
Skin Sens. 1B	: Skin sensitisation, Category 1B
STOT RE 2	: Specific target organ toxicity - Repeated exposure, Category 2
STOT SE 3	: Specific target organ toxicity - Single exposure, Category 3, Respiratory tract irritation

Remarks

This safety data sheet is based on the properties of the material known to Lone Star Candle Supply, Inc.™ at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment Lone Star Candle Supply, Inc.™ holds no responsibility. This document is not intended for quality assurance purposes.