

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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### **SECTION 1: Identification**

#### 1.1. Identification

Product form : Mixture

Product name : SWEET ORANGE
Product code : Sweet Orange

#### 1.2. Recommended use and restrictions on use

No additional information available

#### 1.3. Supplier

Voyageur Soap & Candle Company Ltd. 14 - 19257 Enterprise Way Surrey, B.C. - Canada T 800-758-7773

#### 1.4. Emergency telephone number

Emergency number : INFOTRAC (US & Canada) 1-800-535-5053 | (International) 1-352-323-3500

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

#### **GHS US classification**

Flammable liquids Category 3 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2

Skin sensitization, Category 1
Carcinogenicity Category 2

Full text of H statements : see section 16

H226 Flammable liquid and vapour

H315 Causes skin irritation

H319 Causes serious eye irritation
H317 May cause an allergic skin reaction
H351 Suspected of causing cancer

#### 2.2. GHS Label elements, including precautionary statements

#### **GHS US labeling**

Hazard pictograms (GHS US)







Signal word (GHS US) : Warning

Hazard statements (GHS US) : H226 - Flammable liquid and vapour

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H351 - Suspected of causing cancer

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

P240 - Ground/Bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling.

P272 - Contaminated work clothing must 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.

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse

skin with water/shower.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P308+P313 - If exposed or concerned: Get medical advice/attention.

P321 - Specific treatment (see supplemental first aid instruction on this label).

04/13/2020 EN (English US) Page 1

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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.

P363 - Wash contaminated clothing before reuse.

P370+P378 - In case of fire: Use media other than water to extinguish.

P403+P235 - Store in a well-ventilated place. Keep cool.

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 which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

# **SECTION 3: Composition/Information on ingredients**

# 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name                          | Product identifier  | %       | GHS US classification   |
|-------------------------------|---------------------|---------|---|
| BENZYL BENZOATE               | (CAS-No.) 120-51-4  | 30 - 70 | Acute Tox. 4 (Oral), H302   |
| D-LIMONENE                    | (CAS-No.) 5989-27-5 | 10 - 30 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304                  |
| d-Limonene                    | (CAS-No.) 5989-27-5 | 5 - 10  | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304                  |
| ALDEHYDE C 10                 | (CAS-No.) 112-31-2  | 5 - 10  | Flam. Liq. 4, H227<br>Eye Irrit. 2, H319  |
| Linalool                      | (CAS-No.) 78-70-6   | 1 - 5   | Flam. Liq. 4, H227<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317                |
| 2,6-Octadienal, 3,7-dimethyl- | (CAS-No.) 5392-40-5 | 1 - 5   | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317                                       |
| ALDEHYDE C8                   | (CAS-No.) 124-13-0  | 1 - 5   | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                                       |
| Valencene                     | (CAS-No.) 4630-07-3 | 1 - 5   | Asp. Tox. 1, H304   |
| alpha-Terpineol               | (CAS-No.) 98-55-5   | 1 - 5   | Flam. Liq. 4, H227<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                                       |
| CITRAL                        | (CAS-No.) 5392-40-5 | < 0.5   | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317                                       |
| Carvone                       | (CAS-No.) 99-49-0   | < 0.5   | Flam. Liq. 4, H227<br>Skin Sens. 1, H317  |
| Geraniol                      | (CAS-No.) 106-24-1  | < 0.5   | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317   |
| Myrcene                       | (CAS-No.) 123-35-3  | < 0.5   | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Carc. 2, H351<br>Asp. Tox. 1, H304 |

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 general : IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin

irritation or rash occurs: Get medical advice/attention.

04/13/2020 EN (English US) 2/11

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

Treat symptomatically.

# **SECTION 5: Fire-fighting measures**

### 5.1. Suitable (and unsuitable) extinguishing media

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

#### 5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapour.

#### 5.3. 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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin

and eyes. Avoid breathing dust/fume/gas/mist/vapours/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

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.

#### 6.4. Reference to other sections

For further information refer to section 13.

#### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open

flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and

eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands

after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

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

### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

#### d-Limonene (5989-27-5)

Not applicable

04/13/2020 EN (English US) 3/11

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Myrcene (123-35-3)        |                      |   |  |
|---------------------------|----------------------|---|--|
| Not applicable            |                      |   |  |
| Linalool (78-70-6)        |                      |   |  |
| Not applicable            |                      |   |  |
| D-LIMONENE (5989          | -27-5)               |   |  |
| Not applicable            |                      |   |  |
| ALDEHYDE C 10 (11         | 2-31-2)              |   |  |
| Not applicable            |                      |   |  |
| BENZYL BENZOATE           | E (120-51-4)         |   |  |
| Not applicable            |                      |   |  |
| CITRAL (5392-40-5)        |                      |   |  |
| ACGIH                     | Local name           | Citral  |  |
| ACGIH                     | ACGIH TWA (ppm)      | 5 ppm (IFV - Inhalable fraction and vapor)  |  |
| ACGIH                     | Remark (ACGIH)       | TLV® Basis: Body weight eff; URT irr; eye dam.<br>Notations: Skin; DSEN; A4 (Not classifiable as a<br>Human Carcinogen) |  |
| ACGIH                     | Regulatory reference | ACGIH 2018  |  |
| CITRAL (5392-40-5)        |                      |   |  |
| ACGIH                     | Local name           | Citral  |  |
| ACGIH                     | ACGIH TWA (ppm)      | 5 ppm (IFV - Inhalable fraction and vapor)  |  |
| ACGIH                     | Remark (ACGIH)       | TLV® Basis: Body weight eff; URT irr; eye dam.<br>Notations: Skin; DSEN; A4 (Not classifiable as a<br>Human Carcinogen) |  |
| ACGIH                     | Regulatory reference | ACGIH 2018  |  |
| ALDEHYDE C8 (124-         | -13-0)               |   |  |
| Not applicable            |                      |   |  |
| Valencene (4630-07-       | 3)                   |   |  |
| Not applicable            |                      |   |  |
| alpha-Terpineol (98-55-5) |                      |   |  |
| Not applicable            |                      |   |  |
| Carvone (99-49-0)         |                      |   |  |
| Not applicable            |                      |   |  |
| Geraniol (106-24-1)       |                      |   |  |
| Not applicable            |                      |   |  |

# 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

04/13/2020 EN (English US) 4/11

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

#### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : Mixture contains one or more component(s) which have the following colour(s):

Colourless to light yellow Colourless to brown On exposure to air: yellow Light yellow to

colourless White On exposure to light: yellow Colourless

Odor : There may be no odour warning properties, odour is subjective and inadequate to warn of

overexposure.

Mixture contains one or more component(s) which have the following odour:

Lemon odour Mild odour Characteristic odour Floral odour Strong odour Pleasant odour

Aromatic odour Almost odourless Phenol odour Fruity odour

Odor threshold : No data available pH : No data available Melting point : Not applicable Freezing point : No data available Boiling point : No data available

Flash point : No data available Relative evaporation rate (butyl acetate=1) Flammability (solid, gas) : Not applicable. Vapor pressure : No data available Relative vapor density at 20 °C : No data available Relative density No data available Solubility : No data available Log Pow No data available No data available Auto-ignition temperature : No data available Decomposition temperature Viscosity, kinematic No data available No data available Viscosity, dynamic : No data available **Explosion limits** Explosive properties No data available Oxidizing properties : No data available

#### 9.2. Other information

No additional information available

### **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

Flammable liquid and vapour.

## 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

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

## 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.

## **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

04/13/2020 EN (English US) 5/11

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| d-Limonene (5989-27-5)             |  |
|------------------------------------|--|
| LD50 oral rat                      | > 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat,   |
|                                    | Female, Read-across, Oral)   |
| LD50 dermal rabbit                 | > 5000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Weight of evidence, Dermal)   |
| Linalool (78-70-6)                 |  |
| ATE US (oral)                      | 2790 mg/kg body weight   |
| D-LIMONENE (5989-27-5)             |  |
| LD50 oral rat                      | > 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Read-across, Oral)  |
| LD50 dermal rabbit                 | > 5000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Weight of evidence, Dermal)   |
| ALDEHYDE C 10 (112-31-2)           |  |
| LD50 oral rat                      | 3096 mg/kg (Rat, Oral)   |
| LD50 dermal rabbit                 | 4183 mg/kg (Rabbit, Dermal)  |
| ATE US (oral)                      | 3096 mg/kg body weight   |
| ATE US (dermal)                    | 4183 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  |
| LD30 oral fat                      | value, Oral, 14 day(s))  |
| LD50 dermal rabbit                 | > 2 ml/kg (Modification of Draize 1959 method, 4 h, Rabbit, Experimental value, Dermal)  |
| ATE US (oral)                      | 1500 mg/kg body weight   |
| ATE US (dermal)                    | 4000 mg/kg body weight   |
| CITRAL (5392-40-5)                 |  |
| ATE US (dermal)                    | 2250 mg/kg body weight   |
| CITRAL (5392-40-5)                 |  |
| ATE US (dermal)                    | 2250 mg/kg body weight   |
| ALDEHYDE C8 (124-13-0)             |  |
| LD50 oral rat                      | 4617 mg/kg body weight (Rat, Male, Experimental value, Oral, 14 day(s))  |
| LD50 dermal rabbit                 | 5207 mg/kg (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))   |
| LC50 inhalation rat (mg/l)         | > 830 mg/m³ air (1 - 8 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))  |
| ATE US (oral)                      | 4617 mg/kg body weight   |
| ATE US (dermal)                    | 5207 mg/kg body weight   |
| alpha-Terpineol (98-55-5)          |  |
| ATE US (oral)                      | 4300 mg/kg body weight   |
| Carvone (99-49-0)                  |  |
| ATE US (dermal)                    | 3800 mg/kg body weight   |
| Geraniol (106-24-1)                |  |
| ATE US (oral)                      | 3600 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   |
| <u> </u>                           | : Suspected of causing cancer.   |
| d-Limonene (5989-27-5)             | ·  |
| IARC group                         | 3 - Not classifiable   |
|                                    | The state of the s |
| Myrcene (123-35-3) IARC group      | 2B - Possibly carcinogenic to humans   |
| Inixo gioup                        | 20 - 1 Ossibily Calcillogetile to Humans   |
|                                    |  |
| D-LIMONENE (5989-27-5)  IARC group | 3 - Not classifiable   |

04/13/2020 EN (English US) 6/11

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Reproductive toxicity : Not classified STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified
Viscosity, kinematic : No data available

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

Symptoms/effects after eye contact : Eye irritation.

# SECTION 12: Ecological information

| 4 | 12 | 1 |  | - | <b>-</b> | vi | ci | 41 |
|---|----|---|--|---|----------|----|----|----|
|   |    |   |  |   |          |    |    |    |

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse

effects in the environment.

| d-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 Daphnia 1         | 0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)   |

| D-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 Daphnia 1         | 0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)   |

| 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) |

| ALDEHYDE C8 (124-13-0) |   |
|------------------------|---|
| EC50 Daphnia 1         | 1.54 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Flow-through system, Fresh water, Read-across, Locomotor effect) |
| ErC50 (algae)          | 4.5 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)     |

## 12.2. Persistence and degradability

| Readily biodegradable in water.  |
|--|
| 3.29 g O <sub>2</sub> /g substance   |
|  |
| Readily biodegradable in water.  |
| 3.29 g O₂/g substance  |
|  |
| Not readily biodegradable in water.  |
| 0.022 (5 day(s), Literature study)   |
|  |
| Readily biodegradable in water.  |
|  |
| Biodegradable in the soil. Not readily biodegradable in water. Inherently biodegradable. |
|  |

04/13/2020 EN (English US) 7/11

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

# 12.3. Bioaccumulative potential

**D-LIMONENE (5989-27-5)** 

| d-Limonene (5989-27-5)    |  |
|---------------------------|--|
| BCF fish 1                | 864.8 - 1022 (Pisces, QSAR, Fresh weight)  |
| Log Pow                   | 4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C) |
| Bioaccumulative potential | Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).   |

| BCF fish 1                    | 864.8 - 1022 (Pisces, QSAR, Fresh weight)  |
|-------------------------------|--|
| Log Pow                       | 4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C) |
| Bioaccumulative potential     | Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).   |
| ALDEHYDE C 10 (112-31-2)      |  |
| BCF other aquatic organisms 1 | 420 (QSAR)   |
| Log Pow                       | 3.76 (Estimated value)   |
| Bioaccumulative potential     | Bioaccumable.  |
| BENZYL BENZOATE (120-51-4)    |  |
| BCF fish 1                    | 2.286 (BCFBAF v3.00, Pisces, QSAR)   |
| Log Pow                       | 3.97 (Experimental value, 25 °C)   |
| Bioaccumulative potential     | Low potential for bioaccumulation (Log Kow < 4).   |

| ALDEHYDE C8 (124-13-0)        |   |
|-------------------------------|---|
| BCF other aquatic organisms 1 | 94.69 (BCFBAF v3.01, Estimated value, Fresh weight)   |
| Log Pow                       | 305 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C) |
| Bioaccumulative potential     | Low potential for bioaccumulation (Log Kow < 4).  |

# 12.4. Mobility in soil

| Adsorbs into the soil.   |
|--|
|  |
|  |
| Adsorbs into the soil.   |
|  |
| 0.028 N/m  |
|  |
| 0.027 N/m (210 °C)   |
| 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) |
| Low potential for mobility in soil.  |
|  |

| ALDEHYDE C8 (124-13-0) |  |
|------------------------|--|
| Surface tension        | 0.028 N/m (20 °C)  |
| Log Koc                | 1.9 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Weight of evidence) |
| Ecology - soil         | Highly mobile in soil.   |

# 12.5. Other adverse effects

No additional information available

04/13/2020 EN (English US) 8/11

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

#### SECTION 13: Disposal considerations

**Disposal methods** 

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

: Flammable vapors may accumulate in the container. Additional information

# **SECTION 14: Transport information**

#### **Department of Transportation (DOT)**

In accordance with DOT

Transport document description : UN1169 Extracts, aromatic, liquid, 3, III

UN-No.(DOT) : UN1169

Proper Shipping Name (DOT) : Extracts, aromatic, liquid

Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Packing group (DOT) : III - Minor Danger Hazard labels (DOT) : 3 - Flammable liquid



: 203 DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Special Provisions (49 CFR 172.102) : B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the

bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this

subchapter are applicable.

IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table

2 for UN2672).

T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

DOT Packaging Exceptions (49 CFR 173.xxx) DOT Quantity Limitations Passenger aircraft/rail : 60 L

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 220 L

CFR 175.75)

**DOT Vessel Stowage Location** : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a

passenger vessel.

Emergency Response Guide (ERG) Number

Other information : No supplementary information available.

#### **Transportation of Dangerous Goods**

Not applicable

## Transport by sea

Transport document description (IMDG) : UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III

UN-No. (IMDG)

: EXTRACTS, AROMATIC, LIQUID Proper Shipping Name (IMDG)

Class (IMDG) : 3 - Flammable liquids

Packing group (IMDG) : III - substances presenting low danger

Limited quantities (IMDG) : 5 L

#### Air transport

Transport document description (IATA) : UN 1169 Extracts, aromatic, liquid, 3, III

04/13/2020 EN (English US) 9/11

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

UN-No. (IATA) : 1169

Proper Shipping Name (IATA) : Extracts, aromatic, liquid Class (IATA) : 3 - Flammable Liquids Packing group (IATA) : III - Minor Danger

# **SECTION 15: Regulatory information**

#### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

#### 15.2. International regulations

#### **CANADA**

| -1 | . : |   |         |    | _ / | En | 00 |     | , E\ |  |
|----|-----|---|---------|----|-----|----|----|-----|------|--|
| a- | LI  | m | • III ( | 41 | eι  | ЭS | юч | -Z1 | 7-5) |  |

Listed on the Canadian DSL (Domestic Substances List)

### Myrcene (123-35-3)

Listed on the Canadian DSL (Domestic Substances List)

#### Linalool (78-70-6)

Listed on the Canadian DSL (Domestic Substances List)

### **D-LIMONENE (5989-27-5)**

Listed on the Canadian DSL (Domestic Substances List)

#### ALDEHYDE C 10 (112-31-2)

Listed on the Canadian DSL (Domestic Substances List)

# **BENZYL BENZOATE (120-51-4)**

Listed on the Canadian DSL (Domestic Substances List)

#### CITRAL (5392-40-5)

Listed on the Canadian DSL (Domestic Substances List)

#### CITRAL (5392-40-5)

Listed on the Canadian DSL (Domestic Substances List)

#### **ALDEHYDE C8 (124-13-0)**

Listed on the Canadian DSL (Domestic Substances List)

# Valencene (4630-07-3)

Listed on the Canadian DSL (Domestic Substances List)

#### alpha-Terpineol (98-55-5)

Listed on the Canadian DSL (Domestic Substances List)

## Carvone (99-49-0)

Listed on the Canadian DSL (Domestic Substances List)

#### Geraniol (106-24-1)

Listed on the Canadian DSL (Domestic Substances List)

#### **EU-Regulations**

No additional information available

04/13/2020 EN (English US) 10/11

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**National regulations** 

# Myrcene (123-35-3)

Listed on IARC (International Agency for Research on Cancer)

# **SECTION 16: Other information**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Full text of H-phrases:

| H226 | Flammable liquid and vapour                  |
|------|--|
| H227 | Combustible liquid                           |
| H302 | Harmful if swallowed                         |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation                       |
| H317 | May cause an allergic skin reaction          |
| H318 | Causes serious eye damage                    |
| H319 | Causes serious eye irritation                |
| H351 | Suspected of causing cancer                  |

### SDS

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.

04/13/2020 EN (English US) 11/11