

# Safety Data Sheet

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

Issue date: 04/28/2021 Revision date: 05/11/2021 Version: 1.1

### **SECTION 1: Identification**

### 1.1. Identification

Product form : Mixture

Product name : SIP SIP HOORAY

Product code : Mixture

### 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**

Skin corrosion/irritation Category 2 H315 Causes skin irritation

Skin sensitization, Category 1 H317 May cause an allergic skin reaction

Full text of H- and EUH-statements: see section 16

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

#### **GHS US labeling**

Hazard pictograms (GHS US)



Signal word (GHS US) : Warning

Hazard statements (GHS US) : H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

Precautionary statements (GHS US) : P261 - Avoid breathing dust/fume/gas/mist/vapors/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.

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.
P362+P364 - Take off contaminated clothing and wash it before reuse.

P363 - Wash contaminated clothing 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 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

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Name	Product identifier	%	GHS US classification
BENZYL BENZOATE	(CAS-No.) 120-51-4	5 – 10	Acute Tox. 4 (Oral), H302
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	(CAS-No.) 54464-57-2	5 – 10	Skin Irrit. 2, H315 Skin Sens. 1B, H317
PENTADECALACTONE	(CAS-No.) 106-02-5	1 – 5	Skin Sens. 1B, H317
ALPHA-ISOMETHYL IONONE	(CAS-No.) 127-51-5	1 – 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
VANILLIN	(CAS-No.) 121-33-5	1 – 5	Eye Irrit. 2, H319
LINALYL ACETATE	(CAS-No.) 115-95-7	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
ETHYL VANILLIN	(CAS-No.) 121-32-4	1 – 5	Eye Irrit. 2, H319
Linalool	(CAS-No.) 78-70-6	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
D-LIMONENE	(CAS-No.) 5989-27-5	< 0.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304

Full text of hazard classes, H- and EUH-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 eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

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

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

### 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

No additional information available

### 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. 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

Methods for cleaning up : Take up liquid spill into absorbent material.

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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

Hygiene measures

: 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.

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

after handling the product.

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

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

### SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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

Not applicable

### Linalool (78-70-6)

Not applicable

### **LINALYL ACETATE (115-95-7)**

Not applicable

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

Not applicable

### ETHYL VANILLIN (121-32-4)

Not applicable

### **VANILLIN (121-33-5)**

Not applicable

### **EXALTOLIDE (106-02-5)**

Not applicable

#### **METHYL IONONE GAMMA (127-51-5)**

Not applicable

# TIMBERSILK (54464-57-2)

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

### Personal protective equipment symbol(s):

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### **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 Colourless to light yellow Colourless to brown On exposure to air: yellow White Light yellow to colourless On exposure to air: yellow-brown Light orange-rose White to off-white White to light yellow On exposure to light: discolours Colourless to white On exposure to light: turns yellow On exposure to air: turns yellow Colourless to yellow Colourless to light amber

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:

Floral odour Fruity odour Sweet odour Characteristic odour Lemon odour Pine odour Mild odour Pleasant odour Aromatic odour Almond odour Strong odour Irritating/pungent odour

Vinegar odour Almost odourless Alcohol odour Unpleasant odour Odourless

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

Flash point :  $> 100 \, ^{\circ}\text{C}$ 

Relative evaporation rate (butyl acetate=1) No data available 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 Partition coefficient n-octanol/water (Log Pow) : No data available : No data available Auto-ignition temperature : No data available Decomposition temperature Viscosity, kinematic : No data available Viscosity, dynamic No data available **Explosion limits** : No data available 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

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

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### 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 toxicolo	nical effects
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Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

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)	
LD50 oral rat	2790 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	5610 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental value, Dermal, 7 day(s))
ATE US (oral)	2790 mg/kg body weight
ATE US (dermal)	5610 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 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

ATE US (dermal)	4000 mg/kg body weight	
ETHYL VANILLIN (121-32-4)		
LD50 oral rat	> 3160 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))	
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))	
ATE US (oral)	3000 mg/kg body weight	
VANILLIN (121-33-5)		

VANILLIN (121-33-5)	
LD50 oral rat	3300 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
ATE US (oral)	3300 mg/kg body weight

TIMBERSILK (54464-57-2)		
LD50 oral rat	≥ 5000 mg/kg	
LD50 dermal rat	≥ 5000 mg/kg	
Chin correction/irritation	· Causas akin imitation	

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified Carcinogenicity : Not classified

D-LIMONENE (5989-27-5)	
IARC group	3 - Not classifiable

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

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STOT-repeated exposure : Not classified

Linalool (78-70-6)	
NOAEL (dermal,rat/rabbit,90 days)	250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

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

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

# **SECTION 12: Ecological information**

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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)
Linalool (78-70-6)	
LC50 fish 1	27.8 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1	59 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 (algae)	156.7 mg/l (DIN 38412-9, 96 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)
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)
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)
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 Daphnia 1	36.79 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Read-across, GLP)
ErC50 (algae)	120 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, GLP)
VANILLIN (121-33-5)	
LC50 fish 1	57 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)
EC50 Daphnia 1	36.79 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 (algae)	120 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

TIMBERSILK (54464-57-2)	
LC50 fish 1	≈ 1.3 mg/l Bluegill Sunfish
EC50 Daphnia 1	≈ 1.38 mg/l Water Flea
ErC50 (algae)	≈ 2.6 mg/l Green Algae

# 12.2. Persistence and degradability

D-LIMONENE (5989-27-5)	
Persistence and degradability	Readily biodegradable in water.

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D-LIMONENE (5989-27-5)		
ThOD	3.29 g O₂/g substance	
Linalool (78-70-6)		
Persistence and degradability	Readily biodegradable in water.	
LINALYL ACETATE (115-95-7)		
Persistence and degradability	Readily biodegradable in water.	
BENZYL BENZOATE (120-51-4)		
Persistence and degradability	Readily biodegradable in water.	
ETHYL VANILLIN (121-32-4)		
Persistence and degradability	Readily biodegradable in water.	
ThOD	1.81 g O <sub>2</sub> /g substance	
BOD (% of ThOD)	0.529 (5 day(s), Literature study)	
VANILLIN (121-33-5)		
Persistence and degradability	Readily biodegradable in water.	

# 12.3. Bioaccumulative potential

BCF fish 1  Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential  Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential  Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).  Linalool (78-70-6)  Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential  Low potential for bioaccumulation (Log Kow < 4).  LINALYL ACETATE (115-95-7)  Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential  Low potential for bioaccumulation (Log Kow < 4).  LINALYL ACETATE (115-95-7)  Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential  Low potential for bioaccumulation (Log Kow < 4).  BENZYL BENZOATE (120-51-4)  BCF fish 1  2.286 (BCFBAF v3.00, Pisces, QSAR)  3.97 (Experimental value, 25 °C)  Bioaccumulative potential  Low potential for bioaccumulation (Log Kow < 4).  ETHYL VANILLIN (121-32-4)  Partition coefficient n-octanol/water (Log Pow)  Bioaccumulative potential  1.58 (Experimental value, Equivalent or similar to OECD 107, 25 °C)  Bioaccumulative potential  Low potential for bioaccumulation (Log Kow < 4).  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)			
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 ≥ Log Kow ≤ 5).   Linalool (78-70-6)   Partition coefficient n-octanol/water (Log Pow)   2.84 (Experimental value, Equivalent or similar to OECD 107, 25 °C)   Bioaccumulative potential   Low potential for bioaccumulation (Log Kow < 4).   LINALYL ACETATE (115-95-7)   Partition coefficient n-octanol/water (Log Pow)   3.93 (Experimental value)   Bioaccumulative potential   Low potential for bioaccumulation (Log Kow < 4).   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).   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).   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)	D-LIMONENE (5989-27-5)		
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Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).  BENZYL BENZOATE (120-51-4) BCF fish 1 2.286 (BCFBAF v3.00, Pisces, QSAR) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).  ETHYL VANILLIN (121-32-4) Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential Low potential value, Equivalent or similar to OECD 107, 25 °C) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).  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)	Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
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BENZYL BENZOATE (120-51-4)  BCF fish 1  2.286 (BCFBAF v3.00, Pisces, QSAR)  Partition coefficient n-octanol/water (Log Pow)  Bioaccumulative potential  Low potential for bioaccumulation (Log Kow < 4).  ETHYL VANILLIN (121-32-4)  Partition coefficient n-octanol/water (Log Pow)  Bioaccumulative potential  Low potential value, Equivalent or similar to OECD 107, 25 °C)  Bioaccumulative potential  Low potential for bioaccumulation (Log Kow < 4).  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)	Partition coefficient n-octanol/water (Log Pow)	3.93 (Experimental value)	
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).  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).  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)	Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
Partition coefficient n-octanol/water (Log Pow)  Bioaccumulative potential  Low potential for bioaccumulation (Log Kow < 4).  ETHYL VANILLIN (121-32-4)  Partition coefficient n-octanol/water (Log Pow)  Bioaccumulative potential  Low potential value, Equivalent or similar to OECD 107, 25 °C)  Low potential for bioaccumulation (Log Kow < 4).  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)	BENZYL BENZOATE (120-51-4)		
Bioaccumulative potential  Low potential for bioaccumulation (Log Kow < 4).  ETHYL VANILLIN (121-32-4)  Partition coefficient n-octanol/water (Log Pow)  Bioaccumulative potential  Low potential value, Equivalent or similar to OECD 107, 25 °C)  Low potential for bioaccumulation (Log Kow < 4).  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)	BCF fish 1	2.286 (BCFBAF v3.00, Pisces, QSAR)	
Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential  VANILLIN (121-33-5)  Partition coefficient n-octanol/water (Log Pow)  1.58 (Experimental value, Equivalent or similar to OECD 107, 25 °C)  Low potential for bioaccumulation (Log Kow < 4).  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)	Partition coefficient n-octanol/water (Log Pow)	3.97 (Experimental value, 25 °C)	
Partition coefficient n-octanol/water (Log Pow)  1.58 (Experimental value, Equivalent or similar to OECD 107, 25 °C)  Low potential for bioaccumulation (Log Kow < 4).  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)	Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
Bioaccumulative potential  Low potential for bioaccumulation (Log Kow < 4).  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)	ETHYL VANILLIN (121-32-4)		
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)	Partition coefficient n-octanol/water (Log Pow)	1.58 (Experimental value, Equivalent or similar to OECD 107, 25 °C)	
Partition coefficient n-octanol/water (Log Pow)  1.17 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)	Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
Method, 25 °C)	VANILLIN (121-33-5)		
Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	Partition coefficient n-octanol/water (Log Pow)		
	Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	

# 12.4. Mobility in soil

D-LIMONENE (5989-27-5)		
Ecology - soil	Adsorbs into the soil.	
Linalool (78-70-6)		
Surface tension	8.3 mN/m (20 °C, ISO 9101: Surface active agents - Determination of interfacial tension)	
Ecology - soil	No (test)data on mobility of the substance available.	
LINALYL ACETATE (115-95-7)		
Ecology - soil	Adsorbs into the soil.	
BENZYL BENZOATE (120-51-4)		
Surface tension	0.027 N/m (210 °C)	
Partition coefficient n-octanol/water (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.	

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ETHYL VANILLIN (121-32-4)		
Partition coefficient n-octanol/water (Log Koc)	3.092 (log Koc, Equivalent or similar to OECD 106, Experimental value)	
Ecology - soil	Low potential for mobility in soil.	
VANILLIN (121-33-5)		
VANILLIN (121-33-5)		
VANILLIN (121-33-5)  Partition coefficient n-octanol/water (Log Koc)	3.438 (log Koc, Experimental value)	

### 12.5. Other adverse effects

No additional information available

# **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**

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

In accordance with DOT

Transport document description : UN3082 Environmentally hazardous substances, liquid, n.o.s. (MUSK CONCENTRATE;

BENZYL BENZOATE(120-51-4)), 9, III

UN-No.(DOT) : UN3082

Proper Shipping Name (DOT) : Environmentally hazardous substances, liquid, n.o.s.

MUSK CONCENTRATE; BENZYL BENZOATE(120-51-4)

Class (DOT) : 9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140

Packing group (DOT) : III - Minor Danger

Hazard labels (DOT) : 9 - Class 9 (Miscellaneous dangerous materials)



DOT Packaging Non Bulk (49 CFR 173.xxx) : 203 DOT Packaging Bulk (49 CFR 173.xxx) : 241

DOT Symbols : G - Identifies PSN requiring a technical name

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DOT Special Provisions (49 CFR 172.102)

: 8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision B54 applies.

146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination.

173 - An appropriate generic entry may be used for this material.

335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous substances, solid, n.o.s," UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leak-proof when used as bulk packaging.

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).

T4 - 2.65 178.274(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. TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx) DOT Quantity Limitations Passenger aircraft/rail : No limit (49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : No limit

CFR 175.75)

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

passenger vessel.

Emergency Response Guide (ERG) Number

Other information : No supplementary information available.

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

: UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MUSK Transport document description

CONCENTRATE; BENZYL BENZOATE(120-51-4)), 9, III

UN-No. (TDG) : UN3082

Proper Shipping Name (Transportation of

Dangerous Goods)

: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

TDG Primary Hazard Classes : 9 - Class 9 - Miscellaneous Products, Substances or Organisms

Packing group : III - Minor Danger

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**TDG Special Provisions** 

: 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks).
(2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name:

(a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S;

(b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S;

(c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S;

(d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or

(e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S.

(3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment:

(a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or

(b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS,99 - (1) Mixtures of solids that are not dangerous goods and liquids or solids that are UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, may be handled, offered for transport or transported as UN3077 if there is no visible liquid when the dangerous goods are loaded into a means containment and during transport.

(2) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering

for transport or transporting of less than 450 kg of UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or less than 450 L of UN3082,

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, on a road vehicle or a railway vehicle. The dangerous goods must be contained in one or more small means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous

goods that could endanger public safety.

Explosive Limit and Limited Quantity Index : 5 L

### Transport by sea

Transport document description (IMDG) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MUSK

CONCENTRATE ), 9, III, MARINE POLLUTANT

UN-No. (IMDG) : 308.

Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Class (IMDG) : 9 - Miscellaneous dangerous substances and articles

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

Limited quantities (IMDG) : 5 L

### Air transport

Transport document description (IATA) : UN 3082 Environmentally hazardous substance, liquid, n.o.s. (MUSK CONCENTRATE;

BENZYL BENZOATE(120-51-4)), 9, III

UN-No. (IATA) : 3082

Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s.

Class (IATA) : 9 - Miscellaneous Dangerous Substances and Articles

Packing group (IATA) : III - Minor Danger

# **SECTION 15: Regulatory information**

### 15.1. US Federal regulations

All components of this product are listed as Active, 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.

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### 15.2. International regulations

#### **CANADA**

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

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)

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

Listed on the Canadian DSL (Domestic Substances List)

### ETHYL VANILLIN (121-32-4)

Listed on the Canadian DSL (Domestic Substances List)

### **VANILLIN (121-33-5)**

Listed on the Canadian DSL (Domestic Substances List)

### **EXALTOLIDE (106-02-5)**

Listed on the Canadian DSL (Domestic Substances List)

### **METHYL IONONE GAMMA (127-51-5)**

Listed on the Canadian DSL (Domestic Substances List)

### TIMBERSILK (54464-57-2)

Listed on the Canadian DSL (Domestic Substances List)

#### **EU-Regulations**

No additional information available

### **National regulations**

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

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

**EC INVENTORY** 

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the Australian HSIS Consolidated List

Listed on the AICS (Australian Inventory of Chemical Substances)

### Linalool (78-70-6)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

EC\_INVENTORY

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the AICS (Australian Inventory of Chemical Substances)

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#### LINALYL ACETATE (115-95-7)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

**EC INVENTORY** 

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the AICS (Australian Inventory of Chemical Substances)

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

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

**EC\_INVENTORY** 

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the Australian HSIS Consolidated List

Listed on the AICS (Australian Inventory of Chemical Substances)

### ETHYL VANILLIN (121-32-4)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

EC\_INVENTORY

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the AICS (Australian Inventory of Chemical Substances)

### **VANILLIN (121-33-5)**

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

**EC\_INVENTORY** 

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the AICS (Australian Inventory of Chemical Substances)

### **EXALTOLIDE (106-02-5)**

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

EC\_INVENTORY

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the AICS (Australian Inventory of Chemical Substances)

### **METHYL IONONE GAMMA (127-51-5)**

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

EC\_INVENTORY

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the AICS (Australian Inventory of Chemical Substances)

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### **TIMBERSILK (54464-57-2)**

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

EC\_INVENTORY

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the AICS (Australian Inventory of Chemical Substances)

### **SECTION 16: Other information**

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Revision date : 05/11/2021

#### Full text of H-phrases:

тели от т. р. не от от от	
H226	Flammable liquid and vapor
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
H319	Causes serious eye irritation

### 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.

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