

Safety Data Sheet

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

Issue date: 08/23/2019 Revision date: 10/15/2020 Version: 1.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : TAHITIAN VANILLA

CAS-No. : 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

Flammable liquids Category 4

Acute toxicity (oral) Category 4

Serious eye damage/eye irritation Category 2

Skin sensitization, Category 1

H227

Combustible liquid

Harmful if swallowed

Causes serious eye irritation

H319

May cause an allergic skin reaction

Specific target organ toxicity (repeated exposure) Category 2 H373 May

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H373 May cause damage to organs through prolonged or repeated exposure

Full text of H 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) : H227 - Combustible liquid

H302 - Harmful if swallowed

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P260 - Do not breathe dust/fume/gas/mist/vapors/spray. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P261 - Avoid breatning dust/fume/gas/mist/vapors/spray.
P264 - Wash hands, forearms and face thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell.

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. P314 - Get medical advice/attention if you feel unwell.

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

P330 - Rinse mouth.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

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.

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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	≥ 70	Acute Tox. 4 (Oral), H302
VANILLIN	(CAS-No.) 121-33-5	10 – 30	Eye Irrit. 2, H319
ETHYL VANILLIN	(CAS-No.) 121-32-4	10 – 30	Eye Irrit. 2, H319
ETHYL MALTOL	(CAS-No.) 4940-11-8	1 – 5	Acute Tox. 4 (Oral), H302
COUMARIN	(CAS-No.) 91-64-5	1 – 5	Acute Tox. 3 (Oral), H301 Skin Sens. 1B, H317
ACETYL PROPIONYL	(CAS-No.) 600-14-6	1 – 5	Flam. Liq. 2, H225 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT RE 2, H373

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 : Get medical advice/attention if you feel unwell. Call a poison center/doctor/physician if you feel

unwell.

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 occurs: Get

medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

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

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

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

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 : Combustible liquid.

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. Do not breathe

dust/fume/gas/mist/vapors/spray. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid

contact with skin and eyes.

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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. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ACETYL PROPIONYL (600-14-6)

Not applicable

BENZYL BENZOATE (120-51-4)

Not applicable

COUMARIN (91-64-5)

Not applicable

ETHYL MALTOL (4940-11-8)

Not applicable

ETHYL VANILLIN (121-32-4)

Not applicable

VANILLIN (121-33-5)

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:

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In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



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):

Yellow Colourless to light yellow Light yellow Light yellow to colourless On exposure to air: yellow-brown Colourless White White to off-white White to light yellow On exposure to light:

discolours

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:

Strong odour Characteristic odour Floral odour Almond odour Fruity odour Aromatic odour Mild

odour Pleasant odour Sweet 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 : 91 °C

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

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

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

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Reproductive toxicity

STOT-single exposure

STOT-repeated exposure

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Incompatible materials

No additional information available

Hazardous decomposition products

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

SEC	CTION	11: To	xicoloa	ical in	formation

SECTION 11: Toxicological info	rmation
11.1. Information on toxicological e	ffects
Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
ATE US (oral)	1610.86 mg/kg body weight
ACETYL PROPIONYL (600-14-6)	·
LD50 oral rat	3000 mg/kg (Rat, Oral)
ATE US (oral)	3000 mg/kg body weight
ATE US (dermal)	2500 mg/kg body weight
BENZYL BENZOATE (120-51-4)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male/female, Experimental value, Oral, 14 day(s))
LD50 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
COUMARIN (91-64-5)	
LD50 oral rat	293 mg/kg body weight (Rat, Male / female, Experimental value, Oral)
ATE US (oral)	293 mg/kg body weight
ETHYL MALTOL (4940-11-8)	
LD50 oral rat	1150 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Dermal)
ATE US (oral)	1150 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)	
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
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
COUMARIN (91-64-5)	
IARC group	3 - Not classifiable

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: May cause damage to organs through prolonged or repeated exposure.

: Not classified

: Not classified

ACETYL PROPIONYL (600-14-6)
Bioaccumulative potential

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Security, kinematic : No data available : May cause an allergic skin reaction. Symptoms/effects after skin contact : Eye irritation. SECTION 12: Ecological information 2.1. Toxicity Coology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. BENZYL BENZOATE (120-51-4) LC50 fish 1	ACETYL PROPIONYL (600-14-6)	
Associaty, kinematic : No data available : No data available : May cause an allergic skin reaction. Springtons/effects after skin contact : Eye irritation. SECTION 12: Ecological information : Eye irritation. SECTION 12: Ecological information : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 12: Ecological information : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 12: Ecological information : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 12: Ecological : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 12: Ecological : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 12: Ecological : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 14: Ecological : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 14: Ecological : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 14: Ecological : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 14: Ecological : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 14: Ecological : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 14: Application : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 14: Application : The product is not considered harmful to aquatic organism	STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Associaty, kinematic : No data available : No data available : May cause an allergic skin reaction. Springtons/effects after skin contact : Eye irritation. SECTION 12: Ecological information : Eye irritation. SECTION 12: Ecological information : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 12: Ecological information : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 12: Ecological information : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 12: Ecological : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 12: Ecological : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 12: Ecological : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 14: Ecological : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 14: Ecological : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 14: Ecological : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 14: Ecological : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 14: Ecological : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 14: Application : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. SECTION 14: Application : The product is not considered harmful to aquatic organism		
Symptoms/effects after skin contact Symptoms/effects after eye contact Eye irritation. SECTION 12: Ecological information 2.1. Toxicity Coology - general EBENZYL 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) EC50 Daphnia 1 2.67 mg/l (CECD 202: Daphnia mgna, Static system, Fresh water, Experimental value, GLP) ETHYL VANILLIN (121-33-5) EC50 (algae) Static system, Fresh water is water. Experimental value, GLP) System, Fresh water is water. Experimental value, GLP) ETHYL VANILLIN (121-33-6) EC50 (algae) Static system, Fresh water. Experimental value) EC50 (algae) Static system, Fresh water. Experimental value) Static system, Fresh water. Experimental value Static system, Fres	Aspiration hazard	: Not classified
SecTION 12: Ecological information 2.1. Toxicity Cology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. 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 30 empl (19CEC) 202: Daphnia sp. Acute Immobilisation Test. 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) COUMARIN (91-64-5) LC50 fish 1 2.4 mg/l (96 h, Pisces, CSAR) EC50 Daphnia 1 24.3 – 36.9 mg/l (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, GLP) EC50 Daphnia 1 87.6 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, GLP) EC50 (algae) 120 mg/l (CECD 202: Daphnia sp. Acute immobilisation Test, 48 h, Daphnia magna, 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, 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, GLP) EC50 (algae) 36.7 mg/l (CECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) EC50 (algae) 120 mg/l (CECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) EC50 (algae) 120 mg/l (CECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) EC50 (algae) 120 mg/l (CECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) EC50 (algae) 1 mg/l (CECD 202:	/iscosity, kinematic	: No data available
SECTION 12: Ecological information 2.1. Toxicity Cology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. BENZYL BENZOATE (120-51-4) LC50 fish 1	Symptoms/effects after skin contact	: May cause an allergic skin reaction.
2.1. Toxicity Coology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. BENZYL BENZOATE (120-51-4) LC50 fish 1	Symptoms/effects after eye contact	: Eye irritation.
2.1. Toxicity Coology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. BENZYL BENZOATE (120-51-4) LC50 fish 1	SECTION 12: Ecological information	on
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) COUMARIN (91-64-5) LC50 fish 1 2.94 mg/l (96 h, Pisces, QSAR) EC50 Daphnia 1 2.94 mg/l (96 h, Pisces, QSAR) EC50 Daphnia 1 2.94 mg/l (96 h, Pisces, QSAR) EC50 Daphnia 1 2.94 mg/l (96 h, Pisces, QSAR) EC50 Daphnia 1 2.94 mg/l (96 h, Pisces, QSAR) EC50 Daphnia 1 2.94 mg/l (96 h, Pisces, QSAR) EC50 Daphnia 1 2.94 mg/l (96 h, Pisces, QSAR) EC50 Daphnia 1 2.94 mg/l (96 h, Pisces, QSAR) EC50 Daphnia 1 3.679 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) 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, 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, 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 Qalpania 1 36.79 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) EC50 (algae) 120 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) EC50 (algae) 120 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) EC50 (algae) 120 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) EC50 (algae) 120 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fr	<u> </u>	
LC50 fish 1 2.3 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) COUMARIN (91-64-5) LC50 fish 1 2.94 mg/l (96 h, Pisces, QSAR) EC50 Daphnia 1 2.9.4 mg/l (96 h, Pisces, QSAR) EC50 Daphnia 1 2.9.5 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value) EC50 Daphnia 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 87.6 mg/l (GCED 201: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, 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, Read-across, GLP) VANILLIN (121-33-5) EC50 Daphnia 1 36.79 mg/l (DCED 201: Naja, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value) EC50 Daphnia 1 36.79 mg/l (DCED 201: Naja, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) EC50 (algae) 36.79 mg/l (DCED 201: Naja, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) 2.2. Persistence and degradability Biodegradability in water: no data available. EC50 (Naja)	Ecology - general	
value, GLP)	BENZYL BENZOATE (120-51-4)	
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No bioaccumulation data available.

Safety Data Sheet

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

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).	
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).	
ETHYL MALTOL (4940-11-8)		
Bioaccumulative potential	No bioaccumulation data available.	
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).	

12.4. Mobility in 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.
COUMARIN (91-64-5)	
Partition coefficient n-octanol/water (Log Koc)	1.63 (log Koc, QSAR)
Ecology - soil	Highly mobile in soil.
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)	
Partition coefficient n-octanol/water (Log Koc)	3.438 (log Koc, Experimental value)
Ecology - soil	Low potential for mobility in soil.

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. (BENZYL BENZOATE), 9, III

UN-No.(DOT) : UN3082

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

BENZYL BENZOATE

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

Packing group (DOT) : III - Minor Danger

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Hazard labels (DOT)

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



: 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

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

146 - I his 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) : 155
DOT Quantity Limitations Passenger aircraft/rail : No limit

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : No limit

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 : 1

Other information : No supplementary information available.

Transportation of Dangerous Goods

Not applicable

Transport by sea

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

BENZOATE), 9, III

UN-No. (IMDG) : 3082

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. (BENZYL BENZOATE), 9, III

UN-No. (IATA) : 3082

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

Class (IATA) : 9 - Miscellaneous Dangerous Goods

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

ACETYL PROPIONYL (600-14-6)

Listed on the Canadian DSL (Domestic Substances List)

BENZYL BENZOATE (120-51-4)

Listed on the Canadian DSL (Domestic Substances List)

COUMARIN (91-64-5)

Listed on the Canadian DSL (Domestic Substances List)

ETHYL MALTOL (4940-11-8)

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)

EU-Regulations

No additional information available

National regulations

ACETYL PROPIONYL (600-14-6)

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)

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

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COUMARIN (91-64-5)

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)

ETHYL MALTOL (4940-11-8)

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)

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)

VANILLIN (121-33-5)

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

Listed on KECI (Korean Existing Chemicals Inventory)

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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)

SECTION 16: Other information

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Revision date : 10/15/2020

Full text of H-phrases:

Highly flammable liquid and vapor
Combustible liquid
Toxic if swallowed
Harmful if swallowed
May cause an allergic skin reaction
Causes serious eye damage
Causes serious eye irritation
May cause damage to organs through prolonged or repeated exposure

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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