

Safety Data Sheet

According to Feder Register | Vol. 77, No. 58 | Monday, March 26, 2012 | Rules & Regulations Issue Date: 11/22/2019 | Revision Date: 8/29/2023 | Supersedes: 11/22/2019

Version: 1.1

SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name Product Form

Rustic Escentuals™ Swedish Dream Salt Fragrance Oil Mixture

1.2 RECOMMENDED USE AND RESTRICTIONS ON USE

No additional information available

1.3 NAME, ADDRESS, AND TELEPHONE OF THE RESPONSIBLE PARTY

Supplier Details

IndiMade Brands, LLC DBA Wholesale Supplies Plus 7820 E Pleasant Valley Road Independence, OH 44131 (800) 359-0944 www.WholesaleSuppliesPlus.com

1.4 EMERGENCY TELEPHONE NUMBER

Emergency Telephone

(800) 255-3924 +1 813 248-0585

3924Domestic USA, Canada, Puerto Rico, and US Virgin Islands**8-0585**International

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification ((GHS-US)
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Flammable liquids Category 4	H227	Combustible liquid
Skin corrosion/irritation Category 2	H315	Causes skin irritation
Serious eye damage/eye irritation	H319	Causes serious eye irritation
Category 2		
Skin sensitization, Category 1	H317	May cause an allergic skin reaction

2.2 GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

Hazard pictograms (GHS US)

Signal word (GHS US)	Warning
Hazard statements (GHS US)	H227 - Combustible liquid
	H315 - Causes skin irritation
	H317 - May cause an allergic skin reaction
	H319 - Causes serious eye irritation
Precautionary statements (GHS US)	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	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.
	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact
	lenses, if present and easy to do. Continue rinsing.
	P321 - Specific treatment (see supplemental first aid instruction on this label).
	P332+P313 - If skin irritation occurs: Get medical advice/attention.
	P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

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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.
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 SUBSTANCE

Not applicable

3.2 MIXTURE

Name	CAS No.	%	GHS US classification
Benzyl Benzoate	120-51-4	30 - 70	Acute Tox. 4 (Oral), H302
Dihydro Myrcenol	18479-58-8	10 - 30	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Linalyl Acetate	115-95-7	10 - 30	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Amyl Cinnamic Aldehyde	122-40-7	5 - 10	Skin Sens. 1B, H317
Linalool	78-70-6	5 - 10	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Benzyl Salicylate	118-58-1	5 - 10	Eye Irrit. 2, H319 Skin Sens. 1B, H317
Cyclamen Aldehyde	103-95-7	1 - 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Skin Sens. 1B, H317
Hydroxy-citronellal	107-75-5	1 - 5	Eye Irrit. 2, H319 Skin Sens. 1B, H317
Phenyl Ethyl Alcohol	60-12-8	1 - 5	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Irrit. 2, H319
Geraniol	106-24-1	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
Amyl Salicylate	2050-08-0	1 - 5	Acute Tox. 4 (Oral), H302
Alpha-terpineol	98-55-5	1 - 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

Inhalation

Remove person to fresh air and keep comfortable for breathing.

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Skin contact	Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get	
	medical advice/attention.	
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.	
Ingestion	Call a poison center/doctor/physician if you feel unwell.	

4.2 MOST IMPORTANT SYMPTOMS AND EFFECT (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: FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable Extinguishing Media

Water spray. Dry powder. Foam. Carbon dioxide.

5.2 SPECIAL 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. 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. 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

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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. Avoid contact with skin
	and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
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

Amyl Cinnamic Aldehyde (122-40-7)
Not applicable
Amyl Salicylate (2050-08-0)
Not applicable
Benzyl Benzoate (120-51-4)
Not applicable
Benzyl Salicylate (118-58-1)
Not applicable
Cyclamen Aldehyde (103-95-7)
Not applicable
Dihydro Myrcenol (18479-58-8)
Not applicable
Geraniol (106-24-1)
Geraniol (106-24-1) Not applicable
Not applicable
Not applicable Hydroxy-citronellal (107-75-5)
Not applicable Hydroxy-citronellal (107-75-5) Not applicable
Not applicable Hydroxy-citronellal (107-75-5) Not applicable Linalool (78-70-6)
Not applicable Hydroxy-citronellal (107-75-5) Not applicable Linalool (78-70-6) Not applicable
Not applicableHydroxy-citronellal (107-75-5)Not applicableLinalool (78-70-6)Not applicableLinalyl Acetate (115-95-7)
Not applicableHydroxy-citronellal (107-75-5)Not applicableLinalool (78-70-6)Not applicableLinalyl Acetate (115-95-7)Not applicable
Not applicableHydroxy-citronellal (107-75-5)Not applicableLinalool (78-70-6)Not applicableLinalyl Acetate (115-95-7)Not applicablePhenyl Ethyl Alcohol (60-12-8)

8.2 APPROPRIATE ENGINEERING CONTROLS

Appropriate engineering controls Environmental exposure controls Ensure good ventilation of the work station. Avoid release to the environment.

8.3 INDIVIDUAL PROTECTION MEASURES/PERSONAL PROTECTIVE EQUIPMENT

Hand protection Eye protection Skin and body protection Protective gloves Safety glasses Wear suitable protective clothing

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Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment 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):
	Colourless to light yellow Colourless Light yellow to colourless White On exposure to light: yellow
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 Pleasant odour Fruity odour Strong odour Floral odour Aromatic odour
- · · · · ·	Almost odourless Phenol odour Characteristic odour Sweet odour
Odor threshold	No data available
рН	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	≈ 91.7 °C
Relative evaporation rate (butyl acetate=1)	No data available
Flammability	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 Decomposition temperature	No data available
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

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

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 LIKELY ROUTES OF EXPOSURE

Acute toxicity (oral)	Not classified Not classified
Acute toxicity (dermal) Acute toxicity (inhalation)	Not classified
Amyl Cinnamic Aldehyde (122-40-7)	
LD50 oral rat	3730 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit, Dermal)
ATE US (oral)	3730 mg/kg body weight
Amyl Salicylate (2050-08-0)	
LD50 oral rat	4100 mg/kg body weight (Rat, Experimental value, Oral)
LD50 dermal rabbit	> 5000 mg/kg body weight (Rabbit, Experimental value, Skin)
ATE US (oral)	2000 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 rat	> 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
Benzyl Salicylate (118-58-1)	
LD50 oral rat	3031 – 3339 mg/kg body weight (EU Method B.1: Acute Toxicity (Oral), Rat, Male/female, Read- across, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg body weight (EU Method B.3: Acute toxicity (dermal), 24 h, Rabbit, Male/female, Read-across, Dermal, 14 day(s))
ATE US (oral)	2200 mg/kg body weight
Cyclamen Aldehyde (103-95-7)	
ATE US (oral)	3810 mg/kg body weight
Dihydro Myrcenol (18479-58-8)	
ATE US (oral)	3600 mg/kg body weight
Geraniol (106-24-1)	
LD50 oral rat	3600 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Experimental value, Dermal)
ATE US (oral)	3600 mg/kg body weight
Hydroxy-citronellal (107-75-5)	
LD50 oral rat	> 6400 mg/kg body weight (Equivalent or similar to OECD 401, 7 day(s), Rat, Male / female, Experimental value, Oral, 7 day(s))
LD50 dermal rabbit	> 2000 mg/kg (Rabbit, Experimental value, Dermal, 14 day(s))
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

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Linalool (78-70-6)	
ATE US (dermal)	5610 mg/kg body weight
Terpineol Alpha (98-55-5)	
ATE US (oral)	4300 mg/kg body weight
Phenyl Ethyl Alcohol (60-12-8)	
LD50 oral rat	> 1790 mg/kg (Rat, Oral)
LD50 dermal rat	> 808 mg/kg (Rabbit, Dermal)
LC50 Inhalation - Rat	> 1.4 mg/l (4 h, Rat, Inhalation)
ATE US (oral)	1610 mg/kg body weight
ATE US (dermal)	300 mg/kg body weight
ATE US (dust, mist)	1.5 mg/l/4h
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
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.
Symptoms/effects after eye contact	Eye irritation.

12.1 TOXICITY

Ecology - general

The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Amyl Cinnamic Aldehyde (122-40-7)	
LC50 - Fish [1]	3 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Brachydanio rerio, Experimental value)
EC50 - Crustacea [1]	1.1 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 96 h, Daphnia magna, Experimental value)
Benzyl Benzoate (120-51-4)	
LC50 - Fish [1]	2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
Benzyl Salicylate (118-58-1)	
LC50 - Fish [1]	1.03 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	1.16 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
Geraniol (106-24-1)	
LC50 - Fish [1]	22 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	10.8 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	13.1 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)

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Hydroxy-citronellal (107-75-5)	
LC50 - Fish [1]	31.6 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 96 h, Leuciscus idus, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	410 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	123.32 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)
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 - Crustacea [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]	720 µg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
Phenyl Ethyl Alcohol (60-12-8)	
LC50 - Fish [1]	220 – 260 mg/l (96 h, Leuciscus idus)
EC50 - Crustacea [1]	287.17 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna)

12.2 PERSISTENCE AND DEGRADABILITY

Amyl Cinnamic Aldehyde (122-40-7)		
Persistence and degradability	Biodegradability in soil: no data available. Readily biodegradable in water.	
Amyl Salicylate (2050-08-0)		
Persistence and degradability	Biodegradability in water: no data available.	
Benzyl Benzoate (120-51-4)		
Persistence and degradability	Readily biodegradable in water.	
Benzyl Salicylate (118-58-1)		
Persistence and degradability	Readily biodegradable in water.	
Cyclamen Aldehyde (103-95-7)		
Persistence and degradability	Biodegradability in water: no data available.	
Dihydro Myrcenol (18479-58-8)		
Persistence and degradability	Biodegradability in water: no data available.	
Geraniol (106-24-1)		
Persistence and degradability	Readily biodegradable in water.	
Hydroxy-citronellal (107-75-5)		
Persistence and degradability	Readily biodegradable in water.	
Linalool (78-70-6)		
Persistence and degradability	Readily biodegradable in water.	
Linalyl Acetate (115-95-7)		
Persistence and degradability	Readily biodegradable in water.	
Phenyl Ethyl Alcohol (60-12-8)		
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	1.45 g O ₂ /g substance	

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Phenyl Ethyl Alcohol (60-12-8)		
Chemical oxygen demand (COD)	2.5 g O ₂ /g substance	
ThOD	2.6 g O ₂ /g substance	
BOD (% of ThOD)	0.558	
Terpineol Alpha (98-55-5)		
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.	
ThOD	2.9 g O ₂ /g substance	
2.3 BIOACCUMULATIVE POTENTIAL		
Amyl Cinnamic Aldehyde (122-40-7)		
BCF - Fish [1]	586 (Pisces, Calculated value)	
Partition coefficient n-octanol/water (Log Pow)	4.33 – 4.7 (Literature study)	
Bioaccumulative potential	Potential for bioaccumulation (500 \leq BCF \leq 5000).	
Amyl Salicylate (2050-08-0)		
Partition coefficient n-octanol/water (Log Pow)	4.57 (Estimated value)	
Bioaccumulative potential	Potential for bioaccumulation ($4 \ge Log Kow \le 5$).	
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).	
Benzyl Salicylate (118-58-1)		
BCF - Fish [1]	1170 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Danio rerio, Flow- through system, Fresh water, Read-across, GLP)	
Partition coefficient n-octanol/water (Log Pow)	4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)	
Bioaccumulative potential	Potential for bioaccumulation ($500 \le BCF \le 5000$).	
Cyclamen Aldehyde (103-95-7)		
Partition coefficient n-octanol/water (Log Kow)	≈ 3.91	
Bioaccumulative potential	No bioaccumulation data available.	
Dihydro Myrcenol (18479-58-8)		
Persistence and degradability	Biodegradability in water: no data available.	
Geraniol (106-24-1)		
Persistence and degradability	Readily biodegradable in water.	
Hydroxy-citronellal (107-75-5)		
Persistence and degradability	Readily biodegradable in water.	
Linalool (78-70-6)		
Persistence and degradability	Readily biodegradable in water.	
Linalyl Acetate (115-95-7)		
Persistence and degradability	Readily biodegradable in water.	

Phenyl Ethyl Alcohol (60-12-8) Partition coefficient n-octanol/water (Log Pow) 1.38 (Experimental value) Low potential for bioaccumulation (Log Kow < 4). Bioaccumulative potential

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Terpineol Alpha (98-55-5)	
Partition coefficient n-octanol/water (Log Pow)	2.57 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4 MOBILITY IN SOIL

Amyl Cinnamic Aldehyde (122-40-7)	
Ecology - soil	Low potential for mobility in soil.
Amyl Salicylate (2050-08-0)	
Ecology - soil	No (test)data on mobility of the substance available.
Benzyl Benzoate (120-51-4)	
Surface tension	0.027 N/m (210 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology - soil	Low potential for mobility in soil.
Benzyl Salicylate (118-58-1)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.75 (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.
Dihydro Myrcenol (18479-58-8)	
Ecology - soil	No (test)data on mobility of the substance available.
Geraniol (106-24-1)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.85 (log Koc, PCKOCWIN v1.66, Calculated value)
Ecology - soil	Highly mobile in soil.
Hydroxy-citronellal (107-75-5)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.
Linalool (78-70-6)	
Surface tension	8.3 mN/m (20 °C, ISO 9101: Surface active agents - Determination of interfacial tension)
Ecology - soil	Low potential for mobility in soil.
Linalyl Acetate (115-95-7)	
Ecology - soil	Adsorbs into the soil.

12.5 OTHER ADVERSE EFFECTS

No additional information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Waste treatment methods

Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: TRANSPORT INFORMATION

14.1 DEPARTMENT OF TRANSPORTATION (DOT)

Transport document description (DOT) UN-No.(DOT) UN3082 Environmentally hazardous substances, liquid, n.o.s. (BENZYL BENZOATE), 9, III UN3082

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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
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
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)	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	171
Other information	No supplementary information available.

14.2 TRANSPORTATION OF DANGEROUS GOODS

Not applicable

14.3 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

Transport document description (IATA)

UN 3082 Environmentally hazardous substance, liquid, n.o.s. (BENZYL BENZOATE), 9, III

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 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 - Low danger

 SECTION 15: REGULATORY INFORMATION

15.1 US FEDERAL REGULATIONS

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Name	CAS No.	%
Benzyl Benzoate	120-51-4	30 - 70
Dihydro Myrcenol	18479-58-8	10 - 30
Linalyl Acetate	115-95-7	10 - 30
Amyl Cinnamic Aldehyde	122-40-7	5 - 10
Linalool	78-70-6	5 - 10
Benzyl Salicylate	118-58-1	5 - 10
Cyclamen Aldehyde	103-95-7	1 - 5
Hydroxy-citronellal	107-75-5	1 - 5
Phenyl Ethyl Alcohol	60-12-8	1 - 5
Geraniol	106-24-1	1 - 5
Amyl Salicylate	2050-08-0	1 - 5
Alpha-terpineol	98-55-5	1 - 5

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Name	CAS No.	%
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8- hexamethylcyclopenta-gamma-2-benzopyran	1222-05-5	1 - 5

15.2 INTERNATIONAL REGULATIONS

15.2.1 CANADA

Amyl Cinnamic Aldehyde (122-40-7)
Listed on the Canadian DSL (Domestic Substances List)
Amyl Salicylate (2050-08-0)
Listed on the Canadian DSL (Domestic Substances List)
Benzyl Benzoate (120-51-4)
Listed on the Canadian DSL (Domestic Substances List)
Benzyl Salicylate (118-58-1)
Listed on the Canadian DSL (Domestic Substances List)
Cyclamen Aldehyde (103-95-7)
Listed on the Canadian DSL (Domestic Substances List)
Dihydro Myrcenol (18479-58-8)
Listed on the Canadian DSL (Domestic Substances List)

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Geraniol (106-24-1)
Listed on the Canadian DSL (Domestic Substances List)
Hydroxy-citronellal (107-75-5)
Listed on the Canadian DSL (Domestic Substances List)
Linalool (78-70-6)
Listed on the Canadian DSL (Domestic Substances List)
Linalyl Acetate (115-95-7)
Listed on the Canadian DSL (Domestic Substances List)
Phenyl Ethyl Alcohol (60-12-8)
Listed on the Canadian DSL (Domestic Substances List)
Terpineol Alpha (98-55-5)
Listed on the Canadian DSL (Domestic Substances List)

15.2.2 EU REGULATIONS

No additional information available

15.2.3 NATIONAL REGULATIONS

Amyl Cinnamic Aldehyde (122-4	···/)
Listed on the TCSI (Taiwan Chen Listed on NZIoC (New Zealand Ir Listed on the Japanese ENCS (E Listed on PICCS (Philippines Inve Listed on the EC Inventory Listed on INSQ (Mexican National	iventory of Chemicals) xisting New Chemical Substances) inventory entory of Chemicals and Chemical Substances) Inventory of Chemical Substances) Industrial Chemicals Introduction Scheme (AICIS Inventory) xisting Chemicals Inventory)
Amyl Salicylate (2050-08-0)	
Listed on the TCSI (Taiwan Chen Listed on NZIoC (New Zealand Ir Listed on the Japanese ENCS (E Listed on PICCS (Philippines Inve Listed on the EC Inventory Listed on INSQ (Mexican National	Inventory of Chemicals) xisting New Chemical Substances) inventory entory of Chemicals and Chemical Substances) Industrial Chemicals Introduction Scheme (AICIS Inventory) xisting Chemicals Inventory)
Benzyl Benzoate (120-51-4)	
Listed on INSQ (Mexican National Listed on IECSC (Inventory of Ex Listed on KECI (Korean Existing Listed on the TCSI (Taiwan Chen Listed on NZIOC (New Zealand In Listed on the Japanese ENCS (E Listed on PICCS (Philippines Inve Listed on the EC Inventory Listed on the Australian HSIS Co	nical Substance Inventory) nventory of Chemicals) xisting New Chemical Substances) inventory entory of Chemicals and Chemical Substances)

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Benzyl Salicylate (118-58-1)	
Listed on IECSC (Inventory of Existing Chemical Subs Listed on the TCSI (Taiwan Chemical Substance Inve Listed on NZIoC (New Zealand Inventory of Chemical Listed on the Japanese ENCS (Existing New Chemical Listed on PICCS (Philippines Inventory of Chemicals Listed on the EC Inventory Listed on INSQ (Mexican National Inventory of Chemicals Listed introduction on Australian Industrial Chemicals Listed on KECL/KECI (Korean Existing Chemicals Inv Listed on KECI (Korean Existing Chemicals Inventory Cyclamen Aldehyde (103-95-7)	entory) ls) al Substances) inventory and Chemical Substances) ical Substances) Introduction Scheme (AICIS Inventory) <i>r</i> entory)
Listed on the United States TSCA (Toxic Substances	Control Act) inventory - Status: Active
Listed on IECSC (Inventory of Existing Chemical Sub- Listed on KECI (Korean Existing Chemicals Inventory Listed on KECI (Korean Existing Chemicals Inventory Listed on NZIOC (New Zealand Inventory of Chemical Listed on the Japanese ENCS (Existing New Chemical Listed on PICCS (Philippines Inventory of Chemicals Listed on the EC Inventory Listed introduction on Australian Industrial Chemicals	stances Produced or Imported in China) () entory) Is) al Substances) inventory and Chemical Substances)
Dihydro Myrcenol (18479-58-8)	
Listed on IECSC (Inventory of Existing Chemical Sub- Listed on the TCSI (Taiwan Chemical Substance Inve- Listed on NZIoC (New Zealand Inventory of Chemical Listed on PICCS (Philippines Inventory of Chemicals Listed on the EC Inventory Listed on INSQ (Mexican National Inventory of Chemical Listed on the Japanese ENCS (Existing New Chemical Listed introduction on Australian Industrial Chemicals Listed on KECL/KECI (Korean Existing Chemicals Inv Listed on KECI (Korean Existing Chemicals Inventory	entory) ls) and Chemical Substances) ical Substances) al Substances) inventory Introduction Scheme (AICIS Inventory) <i>r</i> entory)
Geraniol (106-24-1)	
Listed on the United States TSCA (Toxic Substances Listed on INSQ (Mexican National Inventory of Chemi Listed on IECSC (Inventory of Existing Chemical Sub- Listed on KECI (Korean Existing Chemicals Inventory Listed on the TCSI (Taiwan Chemical Substance Inve Listed on NZIoC (New Zealand Inventory of Chemical Listed on the Japanese ENCS (Existing New Chemical Listed on PICCS (Philippines Inventory of Chemicals Listed on the EC Inventory Listed introduction on Australian Industrial Chemicals	ical Substances) stances Produced or Imported in China) () entory) ls) al Substances) inventory and Chemical Substances)
Hydroxy-citronellal (107-75-5)	
Listed on IECSC (Inventory of Existing Chemical Sub- Listed on the TCSI (Taiwan Chemical Substance Inve- Listed on NZIOC (New Zealand Inventory of Chemical Listed on the Japanese ENCS (Existing New Chemical Listed on PICCS (Philippines Inventory of Chemicals Listed on the EC Inventory Listed on the EC Inventory Listed on INSQ (Mexican National Inventory of Chemi Listed introduction on Australian Industrial Chemicals Listed on KECL/KECI (Korean Existing Chemicals Inv Listed on KECI (Korean Existing Chemicals Inventory	entory) ls) al Substances) inventory and Chemical Substances) ical Substances) Introduction Scheme (AICIS Inventory) rentory)

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Linalool (78-70-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances) 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)
Listed on the EC Inventory
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Linalyl Acetate (115-95-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances) 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 the Japanese ENCS (Existing New Chemicals Substances) inventory Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the EC Inventory Listed on the EC Inventory
Phenyl Ethyl Alcohol (60-12-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances) 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) Listed on the EC Inventory Listed on the EC Inventory
Terpineol Alpha (98-55-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances) 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) Listed on the EC Inventory Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Revision Date

8/29/2023

Full text of H-phrases:		
H227	Combustible liquid	
H302	Harmful if swallowed	
H311	Toxic in contact with skin	
H315	Causes skin irritation	
H317	May cause an allergic skin reaction	
H318	Causes serious eye damage	
H319	Causes serious eye irritation	
H332	Harmful if inhaled	

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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.