

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 06/20/2019 Revision date: 08/29/2023 Supersedes: 10/21/2020

SECTION 1: Identification Identification 1.1. Product form Mixture Product name : RUSTIC ESCENTUALS[™] FRUIT MEDLEY FRAGRANCE OIL CAS-No. MIXTURE 1.2. Recommended use and restrictions on use No additional information available 1.3. Supplier 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** : (800) 255-3924 Domestic USA, Canada, Puerto Rico, and US Virgin Islands Emergency number +1 813 248-0585 International SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

GHS US classification		
Flammable liquids	H226	Flammable liquid and vapor
Category 3		
Skin corrosion/irritation	H315	Causes skin irritation
Category 2		
Skin sensitization,	H317	May cause an allergic skin reaction
Category 1		
Carcinogenicity Category 2	H351	Suspected of causing cancer
Full text of H statements : see	e section 16	

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)

Signal word (GHS US) Hazard statements (GHS US)

Precautionary statements (GHS US)

- : Warning
- : H226 Flammable liquid and vapor
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H351 Suspected of causing cancer
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/Bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust/fume/gas/mist/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.
 - P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Version: 2.1

Safety Data Sheet

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

P308+P313 - If exposed or concerned: Get medical advice/attention.
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.
P370+P378 - In case of fire: Use media other than water to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in
accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
LIMONENE	(CAS-No.) 5989-27-5	30 – 70	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
ALDEHYDE C 16	(CAS-No.) 77-83-8	1 – 5	Skin Sens. 1B, H317
BENZYL BENZOATE	(CAS-No.) 120-51-4	1 – 5	Acute Tox. 4 (Oral), H302
Myrcene	(CAS-No.) 123-35-3	0.5 – 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 Asp. Tox. 1, H304
CITRAL	(CAS-No.) 5392-40-5	0.5 – 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
DAMASCONE DELTA	(CAS-No.) 57378-68-4	< 0.5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1A, H317

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures general	: IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
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 effect	ts (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) extinguish	ing media
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Specific hazards arising from the ch	emical
Fire hazard	: Flammable liquid and vapor.

Safety Data Sheet

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

5.3.	Special protective equipment and pred	cautions for fire-fighters
		Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTIO	ON 6: Accidental release measu	ires
6.1.	Personal precautions, protective equip	oment and emergency procedures
6.1.1.	For non-emergency personnel	
Emergen	cy procedures :	Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
6.1.2.	For emergency responders	
Protective	e 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 rel	ease 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 info	ormation :	Dispose of materials or solid residues at an authorized site.
6.4.	Reference to other sections	
For furthe	er information refer to section 13.	
SECTIO	ON 7: Handling and storage	
7.1.	Precautions for safe handling	
Precautio	ons for safe handling :	Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
Hygiene	measures :	Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2.	Conditions for safe storage, including	any incompatibilities
Technica	I measures :	Ground/bond container and receiving equipment.
Storage of	conditions :	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

BENZYL BENZOAT	E (120-51-4)	
Not applicable		
Myrcene (123-35-3)		
Not applicable		
CITRAL (5392-40-5)		
ACGIH	Local name	Citral
ACGIH	ACGIH OEL TWA [ppm]	5 ppm (IFV - Inhalable fraction and vapor)
ACGIH	Remark (ACGIH)	TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)
ACGIH	Regulatory reference	ACGIH 2018
D-LIMONENE (5989	-27-5)	
Not applicable		

Safety Data Sheet

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

ALDEHYDE C 16 (77-83-8)	
Not applicable	
DAMASCONE DELTA (57378-68-4)	
Not applicable	

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:

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):



SECTION 9: Physical and chemical	broperties
9.1. Information on basic physical and c	hemical properties
Physical state	: Liquid
Color	 Mixture contains one or more component(s) which have the following colour(s): light yellow White Colourless Colourless to light yellow On exposure to air: yellow On exposure to light: 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: Mild odour Pleasant odour Aromatic odour Pine odour Floral odour Sweet odour Characteristic odour Strong odour Lemon odour Fruity odour Irritating/pungent odour Almost odourless Phenol 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
Flash point	: ≈ 57.8 °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
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
08/29/2023	EN (English US) 4/11

Safety Data Sheet

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

No data availableViscosity, 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 in	nformation	
No additional infor	mation available	
SECTION 10:	Stability and reactivity	
10.1. Reactiv	ity	
Flammable liquid	and vapor.	
10.2. Chemic	al stability	
Stable under norm	nal conditions.	
	lity of hazardous reactions	
No dangerous rea	ctions known under normal conc	litions of use.
10.4. Conditi	ons to avoid	
Avoid contact with	hot surfaces. Heat. No flames,	no sparks. Eliminate all sources of ignition.
10.5. Incomp	atible materials	
No additional infor	mation available	
10.6. Hazardo	ous decomposition products	
Under normal con	ditions of storage and use, haza	rdous decomposition products should not be produced.
SECTION 11:	Toxicological information	on de la constante de la const
11.1. Informa	tion on toxicological effects	
Acute toxicity (ora	I)	: Not classified
Acute toxicity (der	mal)	: Not classified
Acute toxicity (inha	alation)	: Not classified
BENZYL BENZ	DATE (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 rab	bit	> 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
Myrcene (123-3	5-3)	
LD50 oral rat		> 11390 mg/kg body weight Animal: rat
LD50 dermal rab	bit	> 5000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
CITRAL (5392-4	.0-5)	
ATE US (dermal)	2250 mg/kg body weight
D-LIMONENE (5	989-27-5)	
LD50 oral rat		> 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Read-across, Oral)
LD50 dermal rab	bit	> 5000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Weight of evidence, Dermal)
ALDEHYDE C 1	6 (77-83-8)	
LD50 oral rat		5470 mg/kg (Rat, Male/female, Weight of evidence, 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)
ATE US (oral)		5470 mg/kg body weight
DAMASCONE D	DELTA (57378-68-4)	
ATE US (oral)		1400 mg/kg body weight
Skin corrosion/irrit	ation	: Causes skin irritation.

Safety Data Sheet

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

	, March 26, 2012 / Rules and Regulations
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Myrcene (123-35-3)	
IARC group	2B - Possibly carcinogenic to humans
D-LIMONENE (5989-27-5)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Myrcene (123-35-3)	
LOAEL (oral,rat,90 days)	250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEL (subchronic,oral,animal/male,90 days)	500 mg/kg body weight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEL (subchronic,oral,animal/female,90 days)	250 mg/kg body weight Animal: mouse, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
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	
SECTION 12: Ecological information 12.1. Toxicity	: The product is not considered harmful to aquatic organisms or to cause long-term adverse
SECTION 12: Ecological information 12.1. Toxicity Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse
SECTION 12: Ecological information 12.1. Toxicity Ecology - general BENZYL BENZOATE (120-51-4)	 The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. 2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental
SECTION 12: Ecological information 12.1. Toxicity Ecology - general BENZYL BENZOATE (120-51-4) LC50 - Fish [1]	 The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. 2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP) 3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static
SECTION 12: Ecological information 12.1. Toxicity Ecology - general BENZYL BENZOATE (120-51-4) LC50 - Fish [1] EC50 - Crustacea [1]	 The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. 2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP) 3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static
SECTION 12: Ecological information 12.1. Toxicity Ecology - general BENZYL BENZOATE (120-51-4) LC50 - Fish [1] EC50 - Crustacea [1] Myrcene (123-35-3)	 The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. 2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP) 3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
SECTION 12: Ecological information 12.1. Toxicity Ecology - general BENZYL BENZOATE (120-51-4) LC50 - Fish [1] EC50 - Crustacea [1] Myrcene (123-35-3) EC50 - Crustacea [1]	 The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. 2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP) 3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
SECTION 12: Ecological information 12.1. Toxicity Ecology - general BENZYL BENZOATE (120-51-4) LC50 - Fish [1] EC50 - Crustacea [1] Myrcene (123-35-3) EC50 - Crustacea [1] D-LIMONENE (5989-27-5)	 The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. 2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP) 3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) 0.45 mg/l 720 μg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through
SECTION 12: Ecological information 12.1. Toxicity Ecology - general BENZYL BENZOATE (120-51-4) LC50 - Fish [1] EC50 - Crustacea [1] Myrcene (123-35-3) EC50 - Crustacea [1] D-LIMONENE (5989-27-5) LC50 - Fish [1] EC50 - Crustacea [1]	 The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. 2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP) 3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) 0.45 mg/l 720 µg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal) 0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static
SECTION 12: Ecological information 12.1. Toxicity Ecology - general BENZYL BENZOATE (120-51-4) LC50 - Fish [1] EC50 - Crustacea [1] Myrcene (123-35-3) EC50 - Crustacea [1] D-LIMONENE (5989-27-5) LC50 - Fish [1]	 The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. 2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP) 3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) 0.45 mg/l 720 µg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal) 0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static

12.2. Persistence and degradability

BENZYL BENZOATE (120-51-4)		
Persistence and degradability	Readily biodegradable in water.	
D-LIMONENE (5989-27-5)		
Persistence and degradability	Readily biodegradable in water.	
ThOD	3.29 g O ₂ /g substance	

Safety Data Sheet

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

Persistence and degradability	Not readily biodegradable in water.	
2.3. Bioaccumulative potential		
BENZYL BENZOATE (120-51-4)		
BCF - Fish [1]	2.286 (BCFBAF v3.00, Pisces, QSAR)	
Partition coefficient n-octanol/water (Log Pow)	3.97 (Experimental value, 25 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
D-LIMONENE (5989-27-5)		
BCF - Fish [1]	864.8 – 1022 (Pisces, QSAR, Fresh weight)	
Partition coefficient n-octanol/water (Log Pow)	4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method 37 °C)	
Bioaccumulative potential	Potential for bioaccumulation ($4 \ge Log \text{ Kow} \le 5$).	
ALDEHYDE C 16 (77-83-8)		
Partition coefficient n-octanol/water (Log Pow)	2.4 – 2.8 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
2.4. Mobility in soil		
· · · · · · · · · · · · · · · · · · ·		
BENZYL BENZOATE (120-51-4) Surface tension	0.027 N/m (210 °C)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	 3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value) 	
Ecology - soil	Low potential for mobility in soil.	
D-LIMONENE (5989-27-5)		
Ecology - soil	Adsorbs into the soil.	
ALDEHYDE C 16 (77-83-8)		
Surface tension	59 N/m (19.6 °C, 0.79 g/l, OECD 115: Surface Tension of Aqueous Solutions)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.34 – 2.74 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)	
Ecology - soil	Low potential for adsorption in soil.	

No additional information available

SECTION 13: Disposal consideratio	ns
13.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	: Flammable vapors may accumulate in the container.
SECTION 14: Transport information	
Department of Transportation (DOT)	
In accordance with DOT	
Transport document description (DOT)	: UN1169 Extracts, aromatic, liquid, 3, III
UN-No.(DOT)	: UN1169

- : Extracts, aromatic, liquid
- : 3 Class 3 Flammable and combustible liquid 49 CFR 173.120
- : III Minor Danger

Class (DOT)

Packing group (DOT)

Safety Data Sheet

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

according to Federal Register / Vol. 77, No. 58 / Monday Hazard labels (DOT)	: 3 - Flammable liquid
	FLAMMARKE LIQUID
	3
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Special Provisions (49 CFR 172.102)	: B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the
	bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite
	(31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).
	T2 - 1.5 178.274(d)(2) Normal 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
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	: 127
Other information	: No supplementary information available.
Transportation of Dangerous Goods	
Transport document description (TDG)	: UN1169 EXTRACTS, AROMATIC, LIQUID, 3, III
UN-No. (TDG)	: UN1169
Proper Shipping Name (TDG)	: EXTRACTS, AROMATIC, LIQUID
TDG Primary Hazard Classes	: 3 - Class 3 - Flammable Liquids
Packing group (TDG)	: III - Minor Danger
Explosive Limit and Limited Quantity Index	: 5L
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 60 L
Transport by sea	
Transport document description (IMDG) UN-No. (IMDG)	: UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III : 1169
Proper Shipping Name (IMDG)	: EXTRACTS, AROMATIC, LIQUID
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: III - substances presenting low danger
Limited quantities (IMDG)	: 5L
Air transport	
Transport document description (IATA)	: UN 1197 Extracts, liquid for aroma, 3, III
UN-No. (IATA)	: 1197
Proper Shipping Name (IATA)	: Extracts, liquid for aroma
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: III - Low danger
SECTION 15: Regulatory information	
15.1 US Federal regulations	

15.1. US Federal regulations

Safety Data Sheet

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

BENZYL BENZOATE	CAS-No. 120-51-4	1 – 5%
Myrcene	CAS-No. 123-35-3	0.5 – 1%
CITRAL	CAS-No. 5392-40-5	0.5 – 1%
LIMONENE	CAS-No. 5989-27-5	30 – 70%
ALDEHYDE C 16	CAS-No. 77-83-8	1 – 5%
DAMASCONE DELTA	CAS-No. 57378-68-4	< 0.5%

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

BENZYL BENZOATE (120-51-4)		
Listed on the Canadian DSL (Domestic Substances List)		
Myrcene (123-35-3)		
Listed on the Canadian DSL (Domestic Substances List)		
CITRAL (5392-40-5)		
Listed on the Canadian DSL (Domestic Substances List)		
D-LIMONENE (5989-27-5)		
Listed on the Canadian DSL (Domestic Substances List)		
ALDEHYDE C 16 (77-83-8)		
Listed on the Canadian DSL (Domestic Substances List)		
DAMASCONE DELTA (57378-68-4)		
Listed on the Canadian DSL (Domestic Substances List)		

EU-Regulations

No additional information available

National regulations

BENZYL BENZOATE (120-51-4)

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 Australian HSIS Consolidated List

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Safety Data Sheet

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

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations	
Myrcene (123-35-3)	
Listed on IARC (International Agency for Research on Cancer) 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	
CITRAL (5392-40-5)	
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 on the Australian HSIS Consolidated List Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)	
D-LIMONENE (5989-27-5)	
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 Australian HSIS Consolidated List Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)	
ALDEHYDE C 16 (77-83-8)	
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) 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 Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on KECI (Korean Existing Chemicals Inventory)	
DAMASCONE DELTA (57378-68-4)	
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the EC Inventory Listed on the EC Inventory Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the Japanese ENCS (Existing New Chemical Substances) inventory Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on KECI (Korean Existing Chemicals Inventory)	

SECTION 16: Other information

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

Revision date

: 08/29/2023

Safety Data Sheet

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

Full text of H-phrases:

H226	Flammable liquid and vapor
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
H351	Suspected of causing cancer

SDS US

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.