

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 04/25/2025 Version: 1.0

SECTION 1: Identification					
1.1. Identification					
Product form	: Mixture				
Product name	: JASMINE DUPLICATION				
CAS-No.	: MIXTURE				
Product code	: #296302				
1.2. Recommended use and restrictions	s on use				
No additional information available					
1.3. Supplier					

1.4. Emergency telephone number

Emergency number

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

2.1. Classification of th	identification	
GHS US classification		
Acute toxicity (oral)	H302	Harmful if swallowed
Category 4 Skin sensitization, Category 1	H317	May cause an allergic skin reaction
Category 7 Carcinogenicity Category 2 Reproductive toxicity Category 2	H351 H361	Suspected of causing cancer Suspected of damaging fertility or the unborn child
Full text of H statements : see	e section 16	
2.2. GHS Label elemen	ts, including precautionar	y statements
GHS US labeling		
Hazard pictograms (GHS US)		!
Signal word (GHS US)	: Warn	ing
Hazard statements (GHS US)	H317 H351	 Harmful if swallowed May cause an allergic skin reaction Suspected of causing cancer Suspected of damaging fertility or the unborn child
Precautionary statements (GF	 P202 P261 P264 P270 P272 P280 P301 P302 P308 P321 P330 P333 P363 P405 	 Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. +P312 - If swallowed: Call a poison center or doctor if you feel unwell. +P352 - If on skin: Wash with plenty of water. +P313 - If exposed or concerned: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). Rinse mouth. +P313 - If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Store locked up. Dispose of contents/container to hazardous or special waste collection point, in
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accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
BENZYL BENZOATE	(CAS-No.) 120-51-4	30 – 70	Acute Tox. 4 (Oral), H302
HEXYL CINNAMAL	(CAS-No.) 101-86-0	5 – 10	Skin Sens. 1B, H317
AMYL CINNAMIC ALDEHYDE	(CAS-No.) 122-40-7	5 – 10	Skin Sens. 1B, H317
PHENYL ETHYL ALCOHOL	(CAS-No.) 60-12-8	1 – 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319
LINALOOL	(CAS-No.) 78-70-6	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
3 and 4-(4-Hydroxy-4-methylpentyl)cyclohex-3-ene-1- carbaldehyde	(CAS-No.) 31906-04-4	1 – 5	Skin Sens. 1A, H317
MUSK KETONE	(CAS-No.) 81-14-1	1 – 5	Carc. 2, H351
PARA CRESYL METHYL ETHER	(CAS-No.) 104-93-8	< 0.5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Repr. 2, H361

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. 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 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	: Rinse mouth. Call a poison center/doctor/physician if you feel unwell.				
4.2. Most important symptoms and effe	ects (acute and delayed)				
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.				
Symptoms/effects after skin contact	: May cause an allergic skin reaction.				
Symptoms/effects after eye contact	: None under normal conditions.				
Symptoms/effects after ingestion	: None under normal conditions.				
4.3. Immediate medical attention and special treatment, if necessary					
Tract symptometically					

Treat	symptomatically	
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SECTION 5: Fire-fighting measures						
5.1. Suitable (and unsuitable) exting	uishing media					
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.					
Unsuitable extinguishing media	: Do not use a heavy water stream.					
5.2. Specific hazards arising from the	e chemical					
Fire hazard	: No fire hazard.					
Explosion hazard	: No direct explosion hazard.					

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5.3. Special protective equipment and precautions for fire-fighters					
Firefighting instructions	Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.				
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.				
SECTION 6: Accidental release me	easures				
6.1. Personal precautions, protective	equipment and emergency procedures				
General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.				
6.1.1. For non-emergency personnel					
Protective equipment	: Wear recommended personal protective equipment.				
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".				
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.				
6.2. Environmental precautions					
Avoid release to the environment.					
6.3. Methods and material for contain	ment and cleaning up				
For containment	: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.				
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					
Additional hazards when processed	: Not expected to present a significant hazard under anticipated conditions of normal use.				
Precautions for safe handling	: Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.				

,,		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, includin	g any incompatibilities
Technica	l measures	: Keep in a cool, well-ventilated place away from heat.
Storage	conditions	: Store locked up.
Packagir	g materials	: Store always product in container of same material as original container.

Contaminated work clothing should not be allowed out of the workplace. Wash contaminated

S	ECT	ION	8:	Ex	posure	controls/	personal	protection
-		-		-				

8.1. Control parameters

Hygiene measures

PHENYL ETHYL ALCOHOL (60-12-8)					
Not applicable					
PARA CRESYL METHYL ETHER (104-93-8)					
Not applicable					
MUSK KETONE (81-14-1)					
Not applicable					
BENZYL BENZOATE (120-51-4)					
Not applicable					

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HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE (31906-04-4)
Not applicable
Linalool (78-70-6)
Not applicable
HEXYL CINNAMIC ALDEHYDE (101-86-0)
Not applicable
AMYL CINNAMIC ALDEHYDE (122-40-7)
Not applicable

8.2. Appropriate engineering controls

: Ensure good ventilation of the work station.

Appropriate engineering controls Environmental exposure controls

: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and o	chemical properties
Physical state	: Liquid
Color	: No data available
Odor	: No data available
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	: > 100 °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

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Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
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 information

No additional information available

SECTION 10: Stability and reactivity		
I0.1. Reactivity		
No additional information available		
10.2. Chemical stability		
10.2. Chemical Stability		
10.3. Possibility of hazardous reactions		
No additional information available		
10.4. Conditions to avoid		
None under recommended storage and handling c	onditions (see section 7).	
10.5. Incompatible materials		
No additional information available		
10.6. Hazardous decomposition products		
No additional information available		
SECTION 11: Toxicological informatic	n	
SECTION 11: Toxicological informatio		
11.1. Information on toxicological effects		
Acute toxicity (oral) : Harmful if swallowed.		
·····)	Not classified	
Acute toxicity (inhalation)	Not classified	
ATE US (oral)	1633.599 mg/kg body weight	
PHENYL ETHYL ALCOHOL (60-12-8)		
LD50 oral rat	> 1790 mg/kg (Rat, Oral)	
LD50 dermal rabbit	> 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)	2500 mg/kg body weight	
PARA CRESYL METHYL ETHER (104-93-8)		
ATE US (oral)	1900 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)	1160 mg/kg body weight	
HYDROXYISOHEXYL 3-CYCLOHEXENE CARE	3OXALDEHYDE (31906-04-4)	
LD50 oral rat	3230 mg/kg body weight (Rat, Literature study, Oral)	
LD50 dermal rabbit	11200 mg/kg body weight (Rabbit, Literature study, Dermal)	
ATE US (oral)	3230 mg/kg body weight	
ATE US (dermal)	11200 mg/kg body weight	
Linalool (78-70-6)		

2790 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))

LD50 oral rat

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Linalool (78-70-6)	
LD50 dermal rabbit	5610 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental
	value, Dermal, 7 day(s))
ATE US (oral)	2790 mg/kg body weight
ATE US (dermal)	5610 mg/kg body weight
HEXYL CINNAMIC ALDEHYDE (101-86-0)
ATE US (oral)	3100 mg/kg body weight
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
Skin corrosion/irritation	: Not classified
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.
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified
STOT reported expegure	: 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 inhalation	: Although no appropriate human or animal health effects data are known to exist, this material i expected to be an inhalation hazard.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: None under normal conditions.
SECTION 42. Eaclariant informati	
SECTION 12: Ecological informat	
12.1. Toxicity Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse
Ecology - general	effects in the environment.
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)
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)
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)
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AMYL CINNAMIC ALDEHYDE (122-40-7)	
_C50 - 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)
2.2. Persistence and degradability	
PHENYL ETHYL ALCOHOL (60-12-8)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.45 g O₂/g substance
Chemical oxygen demand (COD)	2.5 g O ₂ /g substance
ThOD	2.6 g O ₂ /g substance
BOD (% of ThOD)	0.558
BENZYL BENZOATE (120-51-4)	
Persistence and degradability Readily biodegradable in water.	
HYDROXYISOHEXYL 3-CYCLOHEXENE CAR	BOXALDEHYDE (31906-04-4)
Persistence and degradability	Biodegradability in water: no data available.
Linalool (78-70-6)	
Persistence and degradability	Readily biodegradable in water.
AMYL CINNAMIC ALDEHYDE (122-40-7)	
Persistence and degradability	Biodegradability in soil: no data available. Readily biodegradable in water.
2.3. Bioaccumulative potential	
PHENYL ETHYL ALCOHOL (60-12-8)	
Partition coefficient n-octanol/water (Log Pow)	1.38 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
BENZYL BENZOATE (120-51-4)	
BCF - Fish [1]	2.286 (BCFBAF v3.00, Pisces, QSAR)
Partition coefficient n-octanol/water (Log Pow)	3.97 (Experimental value, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
HYDROXYISOHEXYL 3-CYCLOHEXENE CAR	BOXALDEHYDE (31906-04-4)
Bioaccumulative potential	No bioaccumulation data available.
Linalool (78-70-6)	
Partition coefficient n-octanol/water (Log Pow)	2.84 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
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)
	Potential for bioaccumulation ($500 \le BCF \le 5000$).

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.	
HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE (31906-04-4)		
Ecology - soil	No (test)data on mobility of the substance available.	
Linalool (78-70-6)		
Surface tension	8.3 mN/m (20 °C, ISO 9101: Surface active agents - Determination of interfacial tension)	
Ecology - soil	No (test)data on mobility of the substance available.	

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AMYL CINNAMIC ALDEHYDE (122-40-7)		
Ecolog	yy - soil	Low potential for mobility in soil.
12.5.	Other adverse effects	

No additional information available

13.1. Disposal methods	
Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.
SECTION 14: Transport information	
· · · · · · · · · · · · · · · · · · ·	
Department of Transportation (DOT)	
n accordance with DOT	
Transport document description (DOT)	: UN3082 Environmentally hazardous substances, liquid, n.o.s. (BENZYL BENZOATE), 9, III
JN-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
Hazard labels (DOT)	: 9 - Class 9 (Miscellaneous dangerous materials)

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

: G - Identifies PSN requiring a technical name

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DOT Special Provisions (49 CFR 172.102)	:	 8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision B54 applies. 146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination. 173 - An appropriate generic entry may be used for this material. 335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous substances, solid, n.o.s," UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leak-proof when used as bulk packaging. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31H21 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
DOT Packaging Exceptions (49 CFR 173.xxx)	:	155
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	No Limit
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	No Limit
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.

SECTION 15: Regulatory information

15.1. US Federal regulations

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.

SECTION 16: Other information

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Full text of H-phrases:

H227	Combustible liquid	
H302	Harmful if swallowed	
H315	Causes skin irritation	
H317	May cause an allergic skin reaction Causes serious eye irritation	
H319		
H351	Suspected of causing cancer	
H361	Suspected of damaging fertility or the unborn child	

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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.