



SAFETY DATA SHEET

01. IDENTIFICATION

NAME OF PREPARATION OR SUBSTANCE: Jasmine Fragrance Oil
SUPPLIER NAME: Jedwards International, Inc.
SUPPLIER ADDRESS: 141 Campanelli Drive
Braintree, MA 02184 USA
TELEPHONE NUMBER: (617)472-9300
RECOMMENDED USE: For manufacturing and repackaging use only
EMERGENCY TELEPHONE NUMBER: Chemtrec 1-800-424-9300 (24 hrs)

02. HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE :

H411: Toxic to aquatic life with long lasting effects.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H317: May cause an allergic skin reaction.
H227: Combustible liquid.
H303: May be harmful if swallowed.
H333: May be harmful if inhaled.

CLASSIFICATION ACCORDING TO DIRECTIVE 67/548/EEC OR DIRECTIVE 1999/45/EC:

Sensitizing. May cause sensitization by skin contact.
Dangerous for the environment. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

INFORMATION CONCERNING PARTICULAR HAZARDS FOR HUMAN AND ENVIRONMENT:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

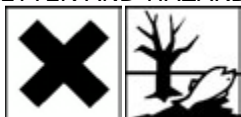
CLASSIFICATION SYSTEM:

The product has been classified and marked in accordance with EU Directives/Ordinance on Hazardous Materials.

LABEL ELEMENTS:

LABELING ACCORDING TO EU GUIDELINES:

CODE LETTER AND HAZARD DESIGNATION OF PRODUCT:



Irritant. Dangerous for the environment

HAZARD-DETERMINING COMPONENTS OF LABELING:

Citronellol
3,7-Dimethylocta-2,6-dien-1-ole
Limonen
2H-1-Benzopyran-2-one

RISK PHRASES:

May cause sensitization by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



SAFETY PHRASES:

Do not breathe gas/fumes/vapor/spray (appropriate wording to be specified by the manufacturer). Avoid contact with skin. Wear suitable gloves. Use appropriate container to avoid environmental contamination.

03. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERIZATION:

Mixture

DESCRIPTION:

Mixture of substances listed below with nonhazardous additions.

DANGEROUS COMPONENTS:

78-70-6 3,7-Dimethyl-1,6-octadien-3-ol H315; H227; H303	1-2.49%
106-22-9 Citronellol H411; H315; H317; H401	1-2.49%
2050-08-0 Pentyl-2-hydroxybenzoate H400; H410	1-2.49%
546-80-5 Thujon H226; H332; H315; H319	1-2.49%
115-95-7 3,7-Dimethyl-1,6-octadien-3-yl-acetate H411; H401	1-2.49%
106-24-1 3,7-Dimethylocta-2,6-dien-1-ole H318; H315; H317; H227	1-2.49%
76-22-2 Bornan-2-on H228; H371; H302; H332	1-2.49%
77-53-2 Cedrol H411; H401	1-2.49%
8000-41-7 Terpeneol H315; H227	1-2.49%
138-86-3 Limonen H226; H400; H410; H315; H317	1-2.49%
91-64-5 2H-1-Benzopyran-2-one H373; H302; H317	1-2.49%
127-51-5 Methyl linolenate H411; H317; H401	<1%
90028-68-5 Oakmoss resinoid H301; H317	<1%
Cedren H400; H410; H227	<1%
7784-98-7 Methyl-delta-ionone H411; H317; H401	<1%
106-23-0 Citronellal H411; H315; H319; H317; H303	<1%
80-54-6 p-tert-Butyl-alpha-methyldihydrocinnamic aldehyde H361; H411; H302; H315; H317; H313; H401	<1%
7493-74-5 Allyl phenoxyacetate H302; H312; H315; H317	<1%
7785-26-4 Balsamterpentinöl H226; H400; H410; H317	<1%
120-51-4 Benzyl benzoate H302	<1%
80-26-2 p-Menth-1-en-8-ylacetate	<1%



H411; H401	
8050-15-5 Methyl ester of rosin, partially hydrogenated	<1%
H317	
105-95-3 Ethylenbrassylate	<1%
H411; H401	
79-92-5 Camphene	<1%
H228; H400; H410; H319	
97-53-0 Eugenol	<1%
H319; H317; H303	
8013-90-9 (E)-4-(2,6,6-Trimethyl-1-cyclohexen-1-yl)-3-buten-2-on	<1%
H411; H303; H401	
99-87-6 p-Cymene	
H226; H304; H411; H303; H401	

04. FIRST AID MEASURES

INHALATION:

Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

SKIN CONTACT:

Immediately wash with water and soap and rinse thoroughly.

EYE CONTACT:

Rinse opened eye for several minutes under running water.

INGESTION:

If symptoms persist consult doctor.

05. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING AGENTS:

CO₂, sand, extinguishing powder. Do not use water. Use fire extinguishing methods suitable to surrounding conditions.

FOR SAFETY REASONS, UNSUITABLE EXTINGUISHING AGENTS:
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Water

During heating or in case of fire poisonous gases are produced.

PROTECTIVE EQUIPMENT:

No special measures required.

06. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
ENVIRONMENTAL PRECAUTIONS:

Not required.

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

REFERENCE TO OTHER SECTIONS:

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

07. HANDLING & STORAGE

HANDLING:

PRECAUTIONS FOR SAFE HANDLING:

Prevent formation of aerosols.



INFORMATION ABOUT FIRE AND EXPLOSION PROTECTION: No special measures required.

STORAGE: REQUIREMENTS TO BE MET BY STOREROOMS AND RECEPTACLES: No special requirements.

INFORMATION ABOUT STORAGE IN ONE COMMON STORAGE FACILITY: Not required

FURTHER INFORMATION ABOUT STORAGE CONDITIONS: None

SPECIFIC END USE(S): No further relevant information available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL FACILITIES: No further data; see item 7.

INGREDIENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:

76-22-2 Bornan-2-on	
PEL ()	2 mg/m ³
REL ()	2 mg/m ³
TLV ()	Short-term value: 19 mg/m ³ , 3 ppm
	Long-term value: 12 mg/m ³ , 2 ppm
138-86-3 Limonen	
WEEL ()	30 ppm

ADDITIONAL INFORMATION: The lists valid during the making were used as basis.

PERSONAL PROTECTIVE EQUIPMENT: Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

GENERAL PROTECTIVE AND HYGIENIC MEASURES:

RESPIRATORY PROTECTION: Use suitable respiratory protective device in case of insufficient ventilation.

PROTECTION OF HANDS: Protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

MATERIAL OF GLOVES: The multichemical-resistant glove Barrier 02-100 is recommended.

PENETRATION TIME OF GLOVE MATERIAL: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

EYE PROTECTION: Goggles recommended during refilling.

09. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: Fluid.

 FORM: Light brown to dark brown.

 COLOR: Characteristic.

ODOR: Not determined.

ODOR THRESHOLD: Not determined.

PH-VALUE: Not determined.



MELTING POINT/MELTING RANGE:	Undetermined.
FLASH POINT:	79°C (174 °F)
FLAMMABILITY (SOLID, GASEOUS):	Not applicable.
IGNITION TEMPERATURE:	
DECOMPOSITION TEMPERATURE:	Not determined.
SELF-IGNITING:	Not determined.
DANGER OF EXPLOSION:	Not determined.
EXPLOSION LIMITS:	
LOWER:	Not determined.
UPPER:	Not determined.
DENSITY AT 20°C (68 °F):	0.99 g/cm ³ (8.262 lbs/gal)
RELATIVE DENSITY	Not determined.
VAPOR DENSITY	Not determined.
EVAPORATION RATE	Not determined.
SOLUBILITY IN/MISCIBILITY WITH:	
WATER:	Not miscible or difficult to mix.
SEGREGATION COEFFICIENT (n-octanol/water):	Not determined.
OTHER INFORMATION:	No further relevant information available.

10. STABILITY & REACTIVITY

THERMAL DECOMPOSITION/ CONDITIONS TO BE AVOIDED:	No decomposition if used according to specifications.
INCOMPATIBLE MATERIALS:	No further relevant information available.
HAZARDOUS DECOMPOSITION PRODUCTS:	No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	
PRIMARY IRRITANT EFFECT:	
ON THE SKIN:	No irritant effect.
ON THE EYE:	No irritating effect.
SENSITIZATION:	Sensitization possible through skin contact.
ADDITIONAL TOXICOLOGICAL INFORMATION:	The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY:	No further relevant information available.
PERSISTENCE AND DEGRADABILITY:	No further relevant information available.
BEHAVIOR IN ENVIRONMENTAL SYSTEMS:	
BIOACCUMULATIVE POTENTIAL:	No further relevant information available.
ECOTOXICAL EFFECTS:	
REMARK:	Toxic for fish
ADDITIONAL ECOLOGICAL INFORMATION:	
GENERAL NOTES:	Water hazard class 2 (German Regulation) (Self-assessment): Hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms



13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

UNCLEANED PACKAGING:

Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

UN-NUMBER:

ADR, IMDG, IATA:

UN3082

ADN:

Void

UN PROPER SHIPPING NAME

ADR:

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Citronellol, Pentyl-2-hydroxybenzoate)

ADN:

Void

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Citronellol, Pentyl-2-hydroxybenzoate), MARINE POLLUTANT

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Citronellol, Pentyl-2-hydroxybenzoate)

TRANSPORT HAZARD CLASSES:

ADR:

CLASS:

9 (M6) Miscellaneous dangerous substances and articles.

LABEL:

9

ADN/R:

CLASS:

Void

IMDG, IATA:

CLASS

9 Miscellaneous dangerous substances and articles.

LABEL

9

PACKING GROUP:

ADR, IMDG, IATA:

III

ENVIRONMENTAL HAZARDS:

Product contains environmentally hazardous substances: Pentyl-2-Hydroxybenzoate

MARINE POLLUTANT:

Yes

SPECIAL MARKING (ADR):

Symbol (fish and tree)

SPECIAL MARKING (IATA):

Symbol (fish and tree)

SPECIAL PRECAUTIONS FOR USER

Symbol (fish and tree)

WARNING:

Miscellaneous dangerous substances and articles.

DANGER CODE (Kemler):

90

EMS NUMBER:

F-A,S-F

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE:

Not applicable.

TRANSPORT/ADDITIONAL INFORMATION:

ADR:

TUNNEL RESTRICTION CODE:

E



BULKNATURALOILS.COM
JEDWARDS
INTERNATIONAL, INC.

UN "MODEL REGULATION":

UN3082, ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (Citronellol,
Pentyl-2-hydroxybenzoate), 9, III

15. REGULATORY INFORMATION

LABELLING ACCORDING TO EU GUIDELINES:

The product has been classified and marked in
accordance with EU Directives / Ordinance on
Hazardous Materials.

CODE LETTER AND HAZARD DESIGNATION OF PRODUCT:



Irritant. Dangerous for the environment

HAZARD-DETERMINING COMPONENTS OF LABELING:

Citronellol
3,7-Dimethylocta-2,6-dien-1-ole
Limonen
2H-1-Benzopyran-2-one

RISK PHRASES:

May cause sensitization by skin contact. Toxic to
aquatic organisms, may cause long-term adverse
effects in the aquatic environment.

SAFETY PHRASES:

Do not breathe gas/fumes/vapor/spray (appropriate
wording to be specified by the manufacturer). Avoid
contact with skin. Wear suitable gloves. Use
appropriate container to avoid environmental
contamination.

16. OTHER INFORMATION

ABBREVIATIONS AND ACRONYMS:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

Not for ingestion.

Not for use in food applications.

REVISED ON 12/8/20

The information provided above is intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Although Jedwards International, Inc. believes the above information to be accurate based on the information available to Jedwards, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Jedwards meets their quality requirements and is appropriate for the use to which the product is to be put. Use and purchase of this material is subject to Jedwards International, Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.