



JAYSHREE AROMATICS PVT LTD

(100% EOU)

(Manufacturers of Aromatics & Fine Chemicals)

PLOT NO.: 4705/1/3, G.I.D.C., ANKLESHWAR- 393 002,
DIST. BHARUCH, (GUJARAT) INDIA

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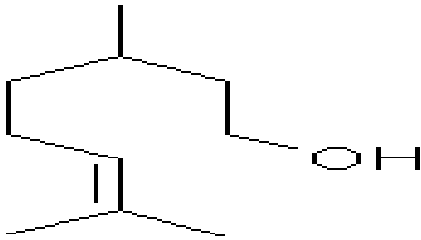
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MATERIAL SAFETY DATA SHEET.

PRODUCT: CITRONELLOL EXTRA(950)

REVISION DATE: 01/01/2011



1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING.

Identification of the substance.

Product name:- Citronellol Pure

Product Code: - C0026

Use of the substance.

This material used as a Fragrance & Flavor ingredient.

Registration Number 05-2117375005-49-0000 (PRE REGISTRATION NUMBER)

Company identification:

JAYSHREE AROMATICS PVT LTD

4705/1/3/4, G.I.D.C. Estate,

Ankleshwar-393 002, Dist. Bharuch, Gujarat India

Tel. : 91-2646-224211 Fax : 91-2646-252718

Email: info@jayshreeind.com

2. HAZARD IDENTIFICATION

Emergency Overview

OSHA Hazards

Irritant

GHS Label elements, including precautionary statements

Label elements



Pictogram

Signal word Warning

Hazard statement(s)

H303 + H313 May be harmful if swallowed or in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/eye protection/face protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

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

P362 Take off contaminated clothing and wash before reuse.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container to an approved waste disposal plant.

Hazard symbol(s)

Xi N Irritating/ Harmful

R-phrases(s)

R36/37/38 Irritating to eyes, respiratory system and skin

S-phrases(s)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice..

S36 Wear suitable protective clothing.

Other hazards - none

HMIS Classification

Health hazard: 2

Flammability: 1

Physical hazards: 0

NFPA Rating

Health hazard: 2

Fire: 1

Reactivity Hazard: 0

Potential Health Effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.

Skin May be harmful if absorbed through skin. Causes skin irritation.

Eyes Causes eye irritation.

Ingestion May be harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL INFORMATION: Citronellol pure

SYNONYMS 3,7-Dimethyl-6-octen-1-ol ,6-Octen-1-ol, 3,7-dimethyl-Citronellol ,2,6-Dimethyl-2-octen-8-ol ,3,7-Dimethyl-6-octen-1-ol 4-01-00-02188 (Beilstein Handbook Reference) ,A13-25080 ,BRN 1721507 CCRIS 7452 ,Cephrol ,Citronellol ,Citronellol (ex. Java citronella oil) (natural)

Citronellol (natural) ,Elenol ,NSC 8779 ,Rhodinol ,Rodinol,UNII-P01OUT964K
6-Octen-1-ol, 3,7-dimethyl- ,Citronellol ,Citronellol Extra

CAS: 106-22-9

EINECS: 203-375-0

FEMA: 2309

MOLECULAR FORMULA: C₁₀H₂₀O

MOLECULAR WEIGHT: 156.27

CoE: - 59

HARMONIZES NO: - 2905 22 1000

CEE:

4. FIRST AID MEASURES.

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

5. FIRE-FIGHTING MEASURES.

Conditions of flammability

Not flammable or combustible.

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for firefighting if necessary.

Hazardous combustion products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

6. ACCIDENTAL RELEASE MEASURES.

Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions

Do not let product enter drains.

Methods for cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE.

Handling:

Apply according to good manufacturing and industrial hygiene practices.

Respect good personal hygiene practices. Do not drink, eat or smoke during manipulation.

Storage:

Store according to the local and/or national storage rules, respecting the precautions printed on

the labels. Store in hermetic recipients, better full, in cool, dry and ventilated areas away from heat sources and protected from light. Keep air contact to a minimum. Keep away from sources of ignition and flames

Fulfil the chemical agent storage regulation.

Do not store this product near any kind of food , or drinkable water. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION.



Exposure limit values

Contains no substances with occupational exposure limit values

Exposure limit biological :

Exposure controls :

Occupational exposure controls

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components, tested and approved under appropriate government standards

Hand protection: Use chemical resistant gloves

Eye protection: Use safety glasses & Face shield

Skin protection: Avoid skin contact & Choose body protection according to the amount and concentration of the dangerous substance at the work place

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES.

General information:

Appearance: liquid

Odour: Floral, rose, citrus, green

Colour: colorless

Important health, safety and environment information:

pH: N/A

Boiling point: 225°C

Melting Point: No data

Flash point: >95°C

Relative vapor density 5.4

Vapor pressure: < 0.02 mmHg @ 20 C

Relative density: 0.850- - 0.860

Solubility: SOLUBLE IN ORGANIC SOLVENTS

Water solubility: Insoluble

Partion coeff. (N-octanol/water): : 3.91

Viscosity: No data

Saturation Concentration No data

Vaporization number No data

Critical temperature No data

Lower explosion limit No data

Upper explosion limit No data

Critical pressure No data

Surface tension No data

Refractive index No data

Dielectric constant No data

Heat of vaporization 66.15 kJ/mol

Heat of combustion No data

10. STABILITY AND REACTIVITY.

Storage stability

Stable under recommended storage conditions.

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

11. TOXICOLOGICAL INFORMATION.

Acute toxicity

LD 50 ORAL RAT (mg/Kg) 3450

LD 50 DERMAL RABBIT (mg/Kg) > 2650

Other information on acute toxicity

no data available

Skin corrosion/irritation

Skin - Human - Skin irritation - 48 h

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product presents at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure (GHS)

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure (GHS)

no data available

Aspiration hazard

no data available

Potential health effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. Causes skin irritation.

Eyes Causes eye irritation.

Signs and Symptoms of Exposure

Cough, Shortness of breath, Headache, Nausea, Vomiting

Additional Information

RTECS: RH3400000

12. ECOLOGICAL INFORMATION.

Toxicity

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

no data available

Other adverse effects

no data available.

13. DISPOSAL CONSIDERATIONS

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste

disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a

chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product

14. TRANSPORT INFORMATION.

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION.

OSHA Hazards

Irritant

DSL Status

All components of this product are on the Canadian DSL list.

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold

(De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard,

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Citronellol CAS-No. 106-22-9

New Jersey Right to Know Components

Citronellol CAS-No. 106-22-9

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

S-phrase(s)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice..

S36 Wear suitable protective clothing.

HAZARD SYMBOLS: Xi N



R PHRASES:

R36/37/38 Irritating to eyes, respiratory system and skin

.

S PHRASES:

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice..

S36 Wear suitable protective clothing

16. OTHER INFORMATION.

The information contained in the present MSDS, according to regulation 1907/2006, is based on our knowledge and experience at the moment of publishing it. This document tries to give information about the correct use, storage and transport.

Bearing in mind that the use of this information and the conditions of use of the product are not under control

JAYSHREE AROMATICS PVT LTD. provides the information contained herein in a good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose and take the responsibility for observing existing laws and regulations.