



MATERIAL SAFETY DATA SHEET

GERANIOL

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION ABD OF THE COMPANY

Product Name : Geraniol
Chemical Name of Active Ingredient(s) : 2,6-Octadien-1-ol, 3,7-Dimethyl-, (E)-
Supplier : Chemtex USA, Inc.
Address : 150 River Road, Suite G3B, Montville, NJ 07045-9441, USA.
Telephone Number : (973) 335-2501
Fax Number : (905) 335-2552
Emergency Number : North America (Canada & US)
1-800-255-3924 (CHEMTEL INC.). (24 HOURS)

2. PRODUCT IDENTIFICATION & COMPOSITION INFORMATION ON INGREDIENTS

Synonyms : 2,6-Octadien-1-ol, 3,7-Dimethyl-, (E)-
CAS No. : 106-24-1
FEMA No : 2507
EC No : 2-033-771
Chemical Formula : C₁₀H₁₈O

3. HAZARDS IDENTIFICATION

NFPA HAZARD CLASSIFICATIONS

HEALTH = 1 FLAMMABILITY = 1 REACTIVITY = 0

LABEL PRECAUTIONARY STATEMENTS

U.S. HAZARD LABELING

May be irritating to skin and eyes.

EUROPEAN SYMBOLS

Irritant

EUROPEAN R PHRASES

Irritating to Skin.

4. FIRST AID MEASURES

Inhalation : Remove to fresh air. Give oxygen and call a physician.
Eye Contact : Flush with water for 15 min. Seek medical help if necessary
Skin Contact : Wash area well with water. Seek medical help if necessary
Ingestion : Administer water and call a physician or poison control center immediately. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

Extinguishing Media : CO₂, FOAM, DRY CHEMICAL
Special Fire Fighting Procedures : Use standard fire fighting procedures.
Unusual Fire And Explosion Hazards : None.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken If Material Is Released Or Spilled : Standard absorbents can be used.
Waste Disposal Method : Incineration or sanitary landfill in accordance with local, state,

and federal regulations.

7. HANDLING AND STORAGE

Handling : Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

Storage : Store in a cool, well-ventilated area.

Fire Protection : Keep away from ignition sources and naked flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection : Usually not required

Ventilation : Mechanical (general)

Protective Gloves : Rubber gloves

Eye Protection : Splash-proof safety glasses.

Other Protective Equipment : Safety shower, eye wash

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Colorless liquid Odor description : very high quality, rose odor.

Boiling Point : 110 C @ 10 mmHg

Vapor Pressure (20 C, Mm Hg) : Not found

Vapor Density (Air = 1) : > 1

Specific Gravity @ 25c (Water = 1) : 0.8720:0.8870

Solubility In Water : Almost insoluble in water.

Flash Point (CC) : 210 F 98°C

10. STABILITY AND REACTIVITY

Incompatibilities

Conditions To Avoid : Presents no special reactivity hazard.

Materials To Avoid : Strong oxidizing agents

Hazardous Combustion Products : CO, CO2, water

11. TOXICOLOGICAL INFORMATION

Acute effects : Most likely route of entry is through the skin. Full strength may be irritating to skin and eyes.

Irritation Data : Skin Guinea Pig: irritant effects at 30%.
Skin Rabbit: irritant effects at 100%, erythema = 1.9, edema = 1.0 based on EEC study.

Toxicity Data : LD50 Dermal (rabbit) > 5 g/kg.
LD50 Oral (rat) 3.6 g/kg.

Other Data : 6% in petrolatum produced no sensitization in humans.

Threshold Limit Value (TLV) : Not established

Osha Permissible Exposure Limit (Pel) : Not established

Listed As Carcinogen By Ntp, Iarc, Or Osha? : No

12. ECOLOGICAL INFORMATION

Environmental Fate : No information found.

Environmental Toxicity : No information found.

General : Prevent contamination of soil, ground- and surface water.

13. DISPOSAL CONSIDERATIONS



Waste Disposal Method : Incineration or sanitary landfill in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

Class Pack Group Sub. Risk UN No. IMDG Page

Road (U.S.DOT) : Not regulated
Air (IATA) : Not regulated
Sea (IMDG) : Not regulated

15. REGULATORY INFORMATION

European Information

Irritant

The following risk and safety phrases were assigned based on toxicological studies in the published literature

R38

Irritating to Skin

REVIEWS, STANDARDS, AND REGULATIONS

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA?: NO

16. OTHER INFORMATION

Chemtex USA Inc. 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.