



# SAFETY DATA SHEET

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## Section 1: Identification

### Product and Company Identification

**Product Name:** Geraniol  
**Chemical Name/Synonyms:** C10H18O  
**CAS NO.:** 106-24-1

**Relevant identified uses of the substance or mixture and uses advised against**  
**Identified uses :** Laboratory chemicals, Synthesis of substances

### Details of Supplier of Safety Data Sheet

**Company:** Terp Science Labs.  
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Unit P-36  
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USA

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**In emergency call 911.**

**For information about this SDS, use this department contact phone#:** 1 (323) 625-0228

## Section 2: Hazard(s) Identification

### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin irritation (Category 2), H315  
Serious eye damage (Category 1), H318  
Skin sensitisation (Category 1), H317  
Short-term (acute) aquatic hazard (Category 3), H402

**Signal Word(s):** Danger

### Hazard Statements:

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H402 Harmful to aquatic life.



**Pictograms:**

**Precautionary Statements:**

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ eye protection/ face protection.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.  
P501 Dispose of contents/ container to an approved waste disposal plant.

**Description of other hazards:** None

### Section 3: Composition/ Information on Ingredients

#### Substances

**Synonyms :** trans-3,7-Dimethyl-2,6-octadien-1-ol

**Formula :** C<sub>10</sub>H<sub>18</sub>O

**Molecular weight :** 154.25 g/mol

**CAS-No. :** 106-24-1

**EC-No. :** 203-377-1

Chemical Name	Classification	Concentration	
Geraniol	Skin Irrit. 2; Eye Dam. 1; Skin Sens. 1; Aquatic Acute 3; H315, H318, H317, H402	<= 100 %	

### Section 4: First-Aid Measures

#### General advice:

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

#### After skin contact:

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

#### After eye contact:

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

#### After inhalation:

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

#### After swallowing:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### Indication of any immediate medical attention and special treatment needed:

No data available

### Section 5: Fire-Fighting Measures

#### Extinguishing media

#### Suitable extinguishing media

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

#### Special hazards arising from the substance or mixture

Carbon oxides

#### Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Further information

Use water spray to cool unopened containers

### Section 6: Accidental Release Measures

#### Personal precautions:

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

#### Measures for environmental protection:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

#### Measures for cleaning/collecting:

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

### Section 7: Handling and Storage

#### Handling:

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

#### Storage:

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): 10: Combustible liquids

#### Specific end use(s):

No other specific uses are stipulated

### Section 8: Exposure Controls/Personal Protection

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

#### Exposure controls

#### Appropriate engineering controls

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

#### Personal protective equipment

### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

### Body Protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) 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 such as NIOSH (US) or CEN (EU).

### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

<b>Appearance</b>	Form: clear liquid Colour: colorless
<b>Odour</b>	No data available
<b>Odour Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point/freezing point</b>	Melting point/freezing point: -15 °C (5 °F)
<b>Initial boiling point and boiling range</b>	229 - 230 °C 444 - 446 °F - lit.
<b>Flash point</b>	108 °C (226 °F) - closed cup
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/lower flammability or explosive limits</b>	No data available
<b>Vapour pressure</b>	1 hPa at 70.6 °C (159.1 °F)
<b>Vapour density</b>	5.33 - (Air = 1.0)
<b>Relative density</b>	0.879 g/cm <sup>3</sup> at 20 °C (68 °F)
<b>Water solubility</b>	0.1 g/l at 25 °C (77 °F)
<b>Partition coefficient: noctanol/water</b>	log Pow: 2.5 at 25 °C (77 °F)
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidizing properties</b>	No data available

## 9.2 Other safety information

Relative vapour density 5.33 - (Air = 1.0)

### Section 10: Stability and Reactivity

**Reactivity:** No data available

**Chemical stability:** Stable under recommended storage conditions

**Possibility of hazardous reactions:** No data available

**Conditions to avoid:** Heat, flames and sparks

**Incompatible materials:** No data available

**Hazardous decomposition products:** Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

### Section 11: Toxicological Information

#### Information on toxicological effects

##### Acute toxicity

LD50 Oral - Rat - 3,600 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Coma. Skin and

Appendages: Other: Hair.

Inhalation: No data available

LD50 Dermal - Rabbit - > 5,000 mg/kg

No data available

##### Skin corrosion/irritation

Skin - Rabbit

Result: Irritating to skin. - 24 h

(OECD Test Guideline 404)

##### Serious eye damage/eye irritation

Eyes - Rabbit

Result: Risk of serious damage to eyes. - 24 h

(Directive 67/548/EEC, Annex V, B.5.)

##### Respiratory or skin sensitisation

- Guinea pig

May cause sensitisation by skin contact.

##### Germ cell mutagenicity

No data available

##### Reproductive toxicity

No data available

No data available

##### Specific target organ toxicity - single exposure

No data available

##### Specific target organ toxicity - repeated exposure

No data available

**Aspiration hazard**

No data available

**Additional Information**

RTECS: RG5830000

burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Section 12: Ecological Information (non-mandatory)**

**Toxicity**

**Toxicity to fish**

static test LC50 - Danio rerio (zebra fish) - ca. 22 mg/l - 96 h (OECD Test Guideline 203)

**Toxicity to daphnia and other aquatic invertebrates**

Immobilization EC50 - Daphnia magna (Water flea) - 10.8 mg/l - 48 h (OECD Test Guideline 202)

**Toxicity to algae**

Growth inhibition EC50 - Desmodesmus subspicatus (green algae) - 13.1 mg/l - 72 h

**Persistence and degradability**

**Biodegradability**

aerobic Chemical oxygen demand - Exposure time 3 d Result: 80 - 100 % - Readily biodegradable. (OECD Test Guideline 301A)

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

**Section 13: Disposal Considerations (non-mandatory)**

**Waste treatment methods**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product.

**Section 14: Transport Information (non-mandatory)**

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**Section 15: Regulatory Information (non-mandatory)**

**SARA 302 Components**

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

**SARA 313 Components**

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**

Geraniol CAS-No. 106-24-1

**New Jersey Right To Know Components**

Geraniol CAS-No. 106-24-1

**Section 16: Other Information**

Employers should only use this information only as a supplement to other information gathered by them , and should make judgement suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet , or in any combination with any other product or process, is the responsibility of the user.

**Preparation Information:** Terp Science Labs

**SDS date of preparation/update:** 9/1/2019