

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 879.60

Revision Date: December 13, 2013

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Geraniol

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **DANGER**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral (Category 5). May be harmful if swallowed (H303).

Hazard class: Skin corrosion or irritation (Category 2). Causes skin irritation (H315).

Hazard class: Sensitization, skin (Category 1). May cause an allergic skin reaction (H317). Avoid breathing dust or fumes (P261).

Hazard class: Serious eye damage or irritation (Category 1). Causes serious eye damage (H318).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Geraniol	106-24-1	C <sub>10</sub> H <sub>18</sub> O	154.25	
Synonyms: 3,7-Dimethyl-trans-2,6-octadien-1-ol; Geraniol alcohol; Guaniol; Lemonol				

### SECTION 4 — FIRST AID MEASURES

Immediately call a POISON CENTER or physician (P318).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.**If on skin:** Rinse cautiously with water for several minutes (P302+P351). Wash contaminated clothing before reuse (P363).**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Class IIIB combustible liquid.

Flash point: 110 °C

**In case of fire:** Use a tri-class dry chemical fire extinguisher.

NFPA CODE

H-2

F-1

R-0

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Remove all ignition sources and ventilate area. Contain spill with sand or other inert absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

---

**SECTION 7 — HANDLING AND STORAGE**

---

Flinn Suggested Chemical Storage Pattern: Organic Miscellaneous. Store together with the Organic Smell Identification Kit.

---

**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

---

Wear protective gloves and eye protection (P280). Wash thoroughly after handling (P264). Contaminated clothing should not be allowed out of the workplace (P272).

---

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

---

Clear, colorless liquid. Odor of geraniums.

Soluble: Alcohol. Insoluble in water.

Density: 0.879

Boiling point: 230 °C

Melting point: 15 °C

Vapor density: 5.31

Vapor pressure: 0.2 mmHg

---

**SECTION 10 — STABILITY AND REACTIVITY**

---

Keep away from heat and open flame. Incompatible with strong oxidizing agents, acid chlorides, acid anhydrides.

Shelf life: Excellent, if stored safely.

---

**SECTION 11 — TOXICOLOGICAL INFORMATION**

---

Acute effects: Irritation to eyes, skin, and respiratory system.

Chronic effects: N.A.

Target organs: N.A.

ORL-RAT LD<sub>50</sub>: 3600 mg/kg

IHL-RAT LC<sub>50</sub>: N.A.

SKN-RBT LD<sub>50</sub>: >5000 mg/kg

N.A. = Not available, not all health aspects of this substance have been fully investigated.

---

**SECTION 12 — ECOLOGICAL INFORMATION**

---

Data not yet available.

---

**SECTION 13 — DISPOSAL CONSIDERATIONS**

---

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #18a is one option.

---

**SECTION 14 — TRANSPORT INFORMATION**

---

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

---

**SECTION 15 — REGULATORY INFORMATION**

---

TSCA listed.

---

**SECTION 16 — OTHER INFORMATION**

---

This Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.