



SAFETY DATA SHEET

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1. PRODUCT IDENTIFICATION

TERPINEOL

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #: 8000-41-7

% by Weight: 100

3. HAZARD IDENTIFICATION

Potential Acute Health Effects: Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Potential Chronic Health Effects: CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

4. EMERGENCY AND FIRST AID PROCEDURES

- Eye Contact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.
- Skin Contact:
 - After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
- Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin

with an anti-bacterial cream. Seek medical attention.

- Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
- Serious Inhalation: Not available.
- Ingestion: Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
- Serious Ingestion: Not available.

5. FIRE FIGHTING MEASURES

- Flammability of the Product: Combustible.
- Auto-Ignition Temperature: Not available.
- Flash Points: CLOSED CUP: 78°C (172.4°F).
- Flammable Limits: Not available.
- Products of Combustion: These products are carbon oxides (CO, CO₂).
- Fire Hazards in Presence of Various Substances: Not available.
- Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
- Fire Fighting Media and Instructions: SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
- Special Remarks on Fire Hazards: Not available.
- Special Remarks on Explosion Hazards: Not available.

6. ACCIDENTAL RELEASE MEASURES

Procedures in Case of Accidental Release, Breakage or Leakage: Remove any source of ignition. If in confined area, use NIOSH approved respiratory protection and other protective equipment.

Absorb the spilled material with vermiculite or other absorbent material. Avoid inhaling vapor. Avoid contact with skin, eyes and clothing. Dispose of material in accordance with local, state, and federal laws and regulations.

7. HANDLING AND STORAGE

- Precautions: Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes
- Storage: Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place.

8. EXPOSURE CONTROLS/PROTECTION INFORMATION

- Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
- Personal Protection: Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
- Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
- Exposure Limits: Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state and appearance: Liquid.
- Odor: Not available.
- Taste: Not available.
- Molecular Weight: 154.24 g/mole
- Color: Not available.
- pH (1% soln/water): Not applicable.
- Boiling Point: 212°C (413.6°F)
- Melting Point: 31°C (87.8°F)
- Critical Temperature: Not available.
- Specific Gravity: 0.933 (Water = 1)
- Vapor Pressure: 10 mm of Hg (@ 20°C)
- Vapor Density: 5.3 (Air = 1)
- Volatility: Not available.
- Odor Threshold: Not available.
- Water/Oil Dist. Coeff.: Not available.
- Ionicity (in Water): Not available.
- Dispersion Properties: Not available.
- Solubility: Not available.

10. STABILITY AND REACTIVITY

- Stability: The product is stable.
- Instability Temperature: Not available.
- Conditions of Instability: Not available.
- Incompatibility with various substances: Not available.
- Corrosivity: Non-corrosive in presence of glass.
- Special Remarks on Reactivity: Not available.
- Special Remarks on Corrosivity: Not available.
- Polymerization: No.

11. TOXICOLOGICAL INFORMATION

- Routes of Entry: Eye contact. Inhalation. Ingestion.
- Toxicity to Animals: (LD50): Not available; (LC50): Not available
- Chronic Effects on Humans: Not available.
- Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion,

of inhalation. Slightly hazardous in case of skin contact (permeator).

- Special Remarks on Toxicity to Animals: Not available.
- Special Remarks on Chronic Effects on Humans: Not available.
- Special Remarks on other Toxic Effects on Humans: Not available.

12. ECOLOGICAL INFORMATION

- Ecotoxicity: Not available.
- BOD5 and COD: Not available.
- Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
- Toxicity of the Products of Biodegradation: The products of degradation are more toxic.
- Special Remarks on the Products of Biodegradation: Not available.

13. DISPOSAL CONSIDERATIONS

- Dispose of in accordance with state, local and federal regulations.

14. TRANSPORT INFORMATION

- DOT Classification: Not a DOT controlled material (United States).
- Identification: Not applicable.
- Special Provisions for Transport: Not applicable.

15. REGULATORY INFORMATION

- Federal and State Regulations: TSCA 8(b) inventory: Terpineol
- Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
- Other Classifications:
- WHMIS (Canada):
 - CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
 - DSCG (EEC): R36/38- Irritating to eyes and skin.
- HMIS (U.S.A.):
 - Health Hazard: 0
 - Fire Hazard: 2
 - Reactivity: 0
 - Personal Protection: h
- National Fire Protection Association (U.S.A.):
 - Health: 0
 - Flammability: 2
 - Reactivity: 0
 - Specific hazard:
- Protective Equipment: Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

16. OTHER INFORMATION

- Disclaimer: The information in this SDS was obtained from current and reliable sources.

However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage, or, expense resulting from improper use of this product.

5/21/16