

MATERIAL SAFETY DATA SHEET

ROSEMARY ESSENTIAL OIL

1. PRODUCT NAME

Product Name : ROSEMARY ESSENTIAL OIL
Product Use : Personal Care Formulations

2. COMPOSITION/INGREDIENT INFORMATION

Ingredients : Steam Distilled Oil of Rosmarinus officinalis 100%
Hazardous Components : Essential oil and derivatives
CAS # : 8000-25-7
FEMA # : 2992

3. HAZARDS IDENTIFICATION

Routes of Entry Eye Contact : Irritation may occur
Skin Contact : May cause irritation to lungs and throat upon prolonged exposure
Inhalation : Inhalation may cause irritation and anaesthetic effect
Ingestion : Hazard not known

4. FIRST AID MEASURES

Eyes : Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.

Skin : Remove contaminated clothing. Wash with soap and flush with plenty of water. Seek medical attention if irritation persists. Ingestion: Administer water or milk to dilute. Seek medical attention immediately or call a poison control center. Inhalation: Avoid gross inhalation of fumes. Remove to fresh air and seek medical attention if needed.

5. FIRE FIGHTING MEASURES

Flash Point (Method Used) : >40°C Closed Cup Extinguishing Media: Dry Chemical, Carbon Dioxide, Foam

Special Firefighting Procedures : Fire fighters should wear positive pressure self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Cool containers exposed to flame with water. Spray extinguishing media directly into base of fire.

Unusual Fire & Explosion Hazards: Not established

Hazardous Decomposition Materials: None

6. ACCIDENTAL RELEASE MEASURES

(STEPS FOR SPILLS)

Personal Protection : Avoid ingestion Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes. Wear eye protection, chemical resistant gloves and aprons. Ventilate area well. NIOSH approved respiratory device may be used.

Methods for Cleaning Up : Eliminate all sources of ignition Ventilate area Prevent liquid from entering sewers small spills can be wiped up with paper rags (place in closed metal waste container) Large spills can be absorbed onto non-flammable absorbent. Wash area with soap and water.

7. HANDLING AND STORAGE

Handling

Safe Handling : Avoid ingestion Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes. Wear eye protection, chemical resistant gloves and aprons. Ventilate area well. NIOSH approved respiratory device may be used.

Storage

Requirements for Storage Areas and Containers: Store in an area that is cool, dry, and well-ventilated. Store away from light.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Threshold Limit Value	: Not established
OSHA Permissible Limit	: Not established
Engineering Controls	: Eye wash station and safety showers are recommended near the work area.
Work Practice Controls	: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: <ol style="list-style-type: none">(1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.(2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.(3) Wash exposed skin promptly to remove accidental splashes or contact with this material.
Respiratory	: Avoid casual breathing of vapours. NIOSH approved respiratory device may be used.
Ventilation	: Local, mechanical exhaust in recommended
Eye	: OSHA approved safety glasses
Skin	: Wear chemical resistant gloves and clothing to avoid skin contact

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid, Oil
Colour	: Clear pale yellow
Odor	: Characteristic of rosemary herby, spicy, warm
Vapor Pressure (mm Hg.)	: Not available
Flash Point	: >40°C Tag Closed Cup
Boiling Point	: Not available
Melting Point	: Not available
Specific Gravity (H ₂ O = 1)	: 0.920
Refractive Index @ 20°C	: 1.479
Solubility in Water	: Insoluble

10. STABILITY AND REACTIVITY

Stability	: This material is stable under normal conditions
Reactivity	: Material does not react with water.
Incompatibility (Materials to Avoid)	: Avoid contact with strong oxidizing agents and avoid hot work and sources of ignition on or near empty containers.
Conditions to Avoid	: Avoid contact with sparks, flame and heat.
Hazardous Decomposition or Byproducts	: None
Hazardous Polymerization	: Will Not Occur

11. TOXICOLOGICAL INFORMATION

CAUTION	: Liquid may be irritating to eyes and skin.
ACGIH TLV	: None established
OSHA PEL	: None established
Carcinogenicity:	NTP Monograph: None established IARC Monograph: None established
Acute Toxicity Data:	Oral LD50: None established Dermal LD50: None established
Health Hazards (Acute & Chronic):	Inhalation LC50: None established Ingestion of large quantities: None established Inhalation: Vapor may be irritating to lungs and throat. Prolonged inhalation may cause anaesthetic effects. Skin Contact: Liquid may be irritating Eye Contact: Liquid may be irritating

Note: The above effects are based on evaluation of individual components, the relevancy to the mixture as a whole or to humans is unknown. Handling of this fragrance that results in inhalation of fumes, may cause severe adverse health effects.

12. ECOLOGICAL INFORMATION

No information

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of according to local, state and federal regulations.

14. TRANSPORT INFORMATION

Proper Shipping Name: Not Regulated

15. REGULATORY INFORMATION

No Information

16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.