

MATERIAL SAFETY DATA SHEET

1) PRODUCT IDENTIFICATION

Product Name	Rosemary Essential Oil
INCI NAME	ROSMARINUS OFFICINALIS
CAS NO	8000-25-7
Category	Essential Oil

2) USES OF THE SUBSTANCE /PRODUCT & USES ADVISED AGAINST

	Suitable For Fragrance, Flavor, Cosmetics & For Professional Applications Only.
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3) HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW: -	
Identified Hazards	NO -HAZARDOUS
Medical Information	PLEASE REFER SECTION -5 BELOW
Routes Of Entry/Exposure	EYES, SKIN, INGESTION, INHALATION
POTENTIAL HEALTH EFFECTS :-	
Eye Contact	MODERATE IRRITATION MAY OCCUR
Skin Contact	IRRITATION MAY OCCUR WITH PROLONGED OR REPEATED EXPOSURE
Ingestion	HAZARDOUS IN CASE OF INGESTION, MAY CAUSE RENAL EFFECTS
Inhalation	EXCESSIVE VAPOURS MAY CAUSE IRRITATION IN THROAT& LUNGS

5) FIRST AID MEASURES

Medical conditions generally aggravated by exposure.
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EYES	Remove lenses if applicable. Flush with plenty of water or eye wash solution for 15 minutes holding lids apart. Get medical attention if irritation persists. Remove contaminated clothing. Thoroughly wash the affected area(s) and parts of the body with medicated soap and water. Flush with large quantities of water.
SKIN	Cover with emollient or pure vegetable oil. Seek medical attention if irritation persists.
INGESTION	Seek medical attention or contact local poison control center immediately. Administer water or milk to dilute if advised by medical expert. 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. Remove to fresh air. Seek medical attention if necessary.
INHALATION	Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

6) FIRE FIGHTING MEASURES

Auto - ignition Temperature	NA
Flammability limits in Air transit	NA
Extinguishing Media	Carbon Dioxide or Alcohol-resistant foam based
Fire Fighting Procedures	Self-containing breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Shutoff all ignition sources. Move contain from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Use flooding amounts of water as fog. Cool product containers with flooding amounts of water from as far a distance as possible. Avoid breathing vapors keep upwind. As with any containerized or pressurized chemical, in the event of overheating or direct flame contact, evacuate the area to minimize hazard of potential explosion.
Unusual Fire Hazards	NA
Hazardous Decomposition Products	Carbon oxides and traces of incompletely burnt carbon oxides and traces of incompletely burnt carbon.

7) ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with eyes.
Protective Equipment	Refer to section 8.
Emergency procedure	Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

8) HANDLING & STORAGE

HANDLING :-	Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Avoid eye contact and prolonged skin contact.
STORAGE :-	Keep container closed and away from heat and flame sources. Since emptied containers retain product residues, all hazard precautions given in this MSDS must be observed.

9) EXPOSURE CONTROL /PERSONAL PROTECTION

Engineering Controls Eyewash Stations; Ventilation Systems; Showers	
EYES	Use proper protection
SKIN	Rubber gloves are not required during handling, but recommended. To Prevent prolonged skin contact wear impervious clothing and boots during handling of spills
INHALATION	Respirator is advised in the absence of proper ventilation.

10) PHYSICAL & CHEMICAL PROPERTIES

COLOR & APPEARANCE	Clear & colorless
ODOR	Woody, musky, warm & sweet
Refractive index @25°C	1.4480 – 1.4890
Specific gravity @25°C	0.845 – 0.910
Optical rotation@25°C	15° to 48°

11) STABILITY & REACTIVITY

CONDITIONS TO AVOID	
STABILITY	Stable under normal conditions of use. Keep away from sources of ignition, flame and heat. Avoid hot work and sources of ignition on or near empty containers.
INCOMPATIBILITY (MATERIALS TO AVOID)	Strong oxidizing agents.
BY PRODUCTS	Compounds may be formed during combustion
HAZARDOUS POLYMERIZATION	Will Not Occur
STABILITY	Stable under normal conditions of use. Keep away from sources of ignition, flame and heat. Avoid hot work and sources of ignition on or near empty containers.

12) PRECAUTIONARY STATEMENTS

Keep away from heat , hot surfaces , sparks , open flames and other ignition sources, NO SMOKING
Use explosion -proof electrical equipment

Avoid breathing vapor / spray
Wear protective gloves / protective clothing / eye protection / face protection
Avoid release to the environment

13) ECOLOGICAL INFORMATION

BIODEGRADABILITY	Not determined
AQUATIC TOXICITY	Not-toxic

14) DISPOSAL CONSIDERTIONS

WASTE TREATMENT METHOD
Disposal should be in accordance with all applicable Local, State and Federal regulations. Precautions to be taken in handling and storage. Do not discharge into waterways or sewer systems without proper or Local authorization
CONTAINER DISPOSAL
Dispose in a licensed facility. Additionally, disposal should be in accordance with all applicable Local, State and Federal regulations. Precautions to be taken in handling and storage. Pressurized container. Do not puncture or incinerate. Store in cool, dry area away from the sunlight.

15) TRANSPORT INFORMATION

ROAD & RAIL TRANSPORT	Not classified as Dangerous Goods for transport Road and Rail. NON-DANGEROUS GOODS
MARINE TRANSPORT	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IM DG) for transport by sea; (NON-DANGEROUS GOODS)
AIR TRANSPORT	Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

16) REGULATORY INFORMATION

TSCA	Exempt from TSCA chemical inventory listing requirement.
DSL/NDSL	Exempt from DSL/NDSL chemical inventory listing requirements.
EU CLASSIFICATION	Non-dangerous

ADDITIONAL INFORMATION

This information is provided for documentation purposes only. The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your	
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operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers