



rainshadowlabs

Material Safety Data Sheet

1 – Product Name and Company Identification

Product Name: Peppermint Essential Oil	Product Use: Personal Care Formulations
Company Name: RainShadow Labs	Company Address: 300 Port Ave, St. Helens, OR 97051, USA
Date Issued: 08 SEP 2014	Emergency Telephone Number: Chemtrec - (800) 262-8200

2 – Composition/Ingredient Information

Ingredients	Peppermint oil	100%
Hazardous Components	None	
Additives	None	
INCI	None	
CAS#	8006-90-4	
EINECS#	-	

3 – Hazards Identification

Routes of Entry	
Eye Contact	Mild irritation may occur
Skin Contact	Mild irritation may occur
Ingestion	Mild irritation may occur
Inhalation	Mild irritation may occur

4 – First Aid Measures

Eyes	Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention
Skin	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Serious Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
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.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. Evacuate the victim to a safe area as soon as possible. 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.
Medical Conditions Generally Aggravated by Exposure	Unknown

EO19-Peppermint Essential Oil

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5 – Fire Fighting Measures

Flash Point (Method Used)	67°C (Closed Cup)
Flammable Limits	
LEL	Not Established
UEL	Not Established
Extinguishing Media	Dry Chemical, Carbon Dioxide, Fog, Foam
Special Firefighting Procedures	Cool containers exposed to flame with water jet spray. Limit the spread of oil. Use air supplied equipment for fighting interior fires.
Unusual Fire & Explosion Hazards	None.

6 – Accidental Release Measures (Steps for Spills)

Methods for Cleaning Up	Absorb onto an inert, absorbent substrate and sweep up. Wash area with soap and water.
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7 – Handling and Storage

Handling	
Safe Handling	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.
Storage	
Requirements for Storage Areas and Containers	Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Sensitive to light. Store in light-resistant containers.

8 – Exposure Control/Personal Protection

Eye	Safety glasses should be worn.
Skin/Body	Gloves and Lab Coat should be worn.
Respiratory	Not needed under normal conditions of use. Use adequate ventilation or NIOSH-approved respiratory devices if heating product.
Ventilation	A mechanical exhaust/ventilation or fume collection system is recommended
Other	Evaluate need based on application. Slip proof shoes may be worn where spills may occur.
Work/Hygiene Practice	Normal work and hygiene practices for handling non-hazardous liquid material.

9 – Physical and Chemical Properties

Physical State	Liquid
Color	Colorless to light yellow
Odor	Characteristic
Vapor Pressure (mm Hg)	N/A
Vapor Density (AIR = 1)	N/A
Boiling Point	N/A
Auto Ignition Temperature	N/A
Specific Gravity (H ₂ O = 1)	0.908
Solubility in Water	Slightly soluble in cold water

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10 – Stability and Reactivity

Stability	Stable
Incompatibility (Materials to Avoid)	Reactive with oxidizing agents.
Conditions to Avoid	Heat, ignition sources, incompatible materials. Sensitive to light.
Hazardous Decomposition or Byproducts	N/A
Hazardous Polymerization	Will not occur

11 – Toxicological Information

Human Exposure Tests	Not Established
Threshold Limit Value	Not Established
Medical Conditions Generally Aggravated by Exposure	Very hazardous in case of ingestion, of inhalation. Hazardous in case of skin contact (irritant). Slightly hazardous in case of skin contact (permeator). The substance is toxic to lungs, mucous membranes.
Irritancy	Skin: Expected to be an irritant
	Eyes: Expected to be an irritant
Carcinogenicity:	Not Established
Other Notes	May affect genetic material (mutagenic). Acute Potential Health Effects: Skin: May cause skin irritation. Eyes: Causes eye irritation. May cause loss of corneal epithelium, corneal infiltration, and release of pigment into the anterior chamber with deposits on the back of the cornea. Inhalation: May cause respiratory tract irritation. Ingestion: May cause gastrointestinal tract irritation. May affect behavior/central nervous system (mild stimulation followed by depression, twitching, spastic convulsions, ataxia), and respiration (slowed respiration). Other symptoms may include atrial fibrillation, muscle pain, cooling sensation, burning sensation. Chronic Potential Health Effects: Skin: Prolonged or repeated skin contact will cause allergic dermatitis. Ingestion: Prolonged or repeated ingestion may affect the urinary system and brain.

12 – Ecological Information

Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Fish Toxicity	Not Established
Bacterial Toxicity	Not Established

13 – Disposal Considerations

Waste Disposal Methods	Do not put into sewer lines. Dispose of according to local, state and federal regulations
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14 – Transportation Information

DOT Classification	Not a DOT controlled material (United States) Not classified as a dangerous substance Not classified under IMDG or ADR regulations
Class/Division	Not Restricted

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15 – Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Peppermint oil
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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).
DSCL (EEC):
R36- Irritating to eyes. S2- Keep out of the reach of children. S46- If swallowed, seek medical advice immediately and show this container or label.
HMIS (U.S.A.):
Health Hazard: 2
Fire Hazard: 2
Reactivity: 0
Personal Protection: j
National Fire Protection Association (U.S.A.):
Health: 2
Flammability: 2
Reactivity: 0
Specific hazard:
Protective Equipment:
Not applicable. Lab coat. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

16 – Additional Information

This information is provided for documentation purposes only.
This product is not considered hazardous.
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 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.

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