

SAFETY DATA SHEET

1. IDENTIFICATION

Product identifier

Product code: pepp

Product Name: PEPPERMINT OIL, NF

Other means of identification

Synonyms: Mentha Piperita Oils, Peppermint Oil, Oil of Peppermint

CAS #: 8006-90-4

CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use:

Flavoring ingredient. Cosmetics. Perfuming agent. In pharmaceuticals.

Uses advised against

No information available

Supplier:

The Essential Oil Company

8225 SE 7th Ave

Portland, Oregon 97202

503-872-8772

Emergency telephone number: 503-872-8772

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component

CAS-No. 8006-90-4

Weight % 100% Pure Peppermint Oil

4. FIRST AID MEASURES

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention.

Eye Contact:
Flush eyes with water for 15 minutes. Immediate medical attention is required. If symptoms persist, call a physician.

Inhalation:
Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

Ingestion:
Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Causes serious eye irritation.

May cause allergic skin reaction. May cause irritation of respiratory tract. May cause digestive (gastrointestinal) tract irritation.

May cause central nervous system effects.

Indication of any immediate medical attention and special treatment needed

Notes to Physician:

Treat symptomatically

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids.

Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media:

Do not use a solid (straight) water stream as it may scatter and spread fire.

Specific hazards arising from the chemical Hazardous Combustion Products:

Carbon oxides

Combustible material

May be ignited by heat, sparks or flames

Container explosion may occur under fire conditions or when heated

Special Protective Actions for Firefighters

Specific Methods:

For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

Special Protective Equipment for Firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions:

Keep people away from and upwind of spill/leak.

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Remove all sources of ignition. All equipment used when handling the product must be grounded.

Take precautionary measures against static discharges.

Use spark-proof tools and explosion-proof equipment.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment

Absorb spill with inert material (e.g. vermiculite, dry sand or earth), then place in a suitable chemical waste container.

In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up

Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools.

Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms.

Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

Wear personal protective equipment.

Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist.

Do not ingest.

When using do not smoke.

Keep away from heat and sources of ignition.

Handle in accordance with good industrial hygiene and safety practice.

Technical Measures/Storage Conditions:

Sensitive to light.

Store in light-resistant containers.

Store under nitrogen.

Keep away from heat and sources of ignition.

Keep container tightly closed in a dry and well-ventilated place. Store away from incompatible materials.

Store in a segregated and approved area.

Incompatible Materials:

Oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures to reduce exposure:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles.

Skin and body protection: Long sleeved clothing. Chemical resistant apron. Gloves.

Respiratory protection: Respiratory protection is not necessary for normal handling. Good room ventilation or use of local exhaust (fume hood) is sufficient. Use a vapor respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapor, inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent. .

Hygiene measures:

Avoid contact with skin, eyes and clothing.

When using, do not eat, drink or smoke.

Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Oily
Color:	Colorless to pale yellow
Odor:	Characteristic. Mint-like. Peppermint like.
Taste:	Pungent. Sweet, balsamic taste, often masked by the distinct cooling effect.
Formula:	Essential Oil
Molecular/Formula weight:	No Information available
Flammability:	No Information available
Flash point (closed cup):	67-71°C/ 153-159.8°F
Autoignition Temperature:	No information available
Lower Exposure Limit:	No information available

Upper Exposure Limit:	No information available
pH:	No information available
Melting Point/range:	No information available
Boiling point/range:	No information available
Decomposition temperature:	No information available
Bulk density:	No information available
Density (G/cm ³):	No information available
Specific gravity:	0.896-0.908
Vapor pressure @20°C:	No information available
Evaporation rate:	No information available
Vapor density:	No information available
VOC content (g/L):	No information available
Odor threshold (ppm):	No information available
Partition coefficient (N-octanol/water)	No information available
Viscosity:	No information available
Miscibility:	No information available
Solubility:	Insoluble in water, insoluble in mineral oil, Soluble in oils, soluble in alcohol

10. STABILITY AND REACTIVITY

Reactivity

Reactive with oxidizing agents

Chemical stability

Stability: Sensitive to light. Exposure to light accelerates decomposition. Stable under recommended storage conditions.

Possibility of Hazardous Reactions:

Hazardous polymerization does not occur

Conditions to avoid:

Heat. Ignition sources. Exposure to light. Incompatible materials.

Incompatible Materials:

Oxidizing agents.

Hazardous decomposition products:

Carbon oxides.

Other Information

Corrosivity: Non-corrosive in the presence of glass

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure: Eyes. Skin. Ingestion.

Acute Toxicity Component Information

LD50/oral/rat 2426mg/kg

LD50/oral/mouse 2490mg/kg

LD50/dermal/rabbit No information available

LD50/dermal/rat No information available

LC50/inhalation/rat No information available

Other LD50 or LC50information No information available

Symptoms

Skin Contact: May cause skin irritation.

Eye Contact: Causes eye irritation. May cause loss of corneal epithelium, corneal infiltration, release of pigment into the anterior chamber with deposits on the back of the cornea. Inhalation

May cause respiratory tract irritation.

Ingestion

May cause digestive/gastrointestinal tract irritation. May affect behavior/central nervous system (mild stimulant followed by depression, twitching, spastic convulsion,

respiration (slowed respiration) . Other symptoms may include atrial fibrillation, muscle pain, cooling sensation, burning sensation.

Aspiration hazard
No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity

Prolonged or repeated ingestion may cause allergic dermatitis
Prolonged or repeated ingestion may affect the urinary system
Prolonged or repeated ingestion may affect the brain
Sensitization: May cause sensitization by skin contact
Mutagenic Effects: No information available
Carcinogenic effects: Not considered carcinogenic

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects:	No data available.
Persistence and degradability:	No information available
Bioaccumulative potential:	No information available
Mobility:	No information available

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products: Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging: Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

UN-No: Not Regulated

Proper Shipping Name: No information available

Hazard Class: No information available

Subsidiary Risk: No information available

Packing Group: No information available

Description: No information available

IATA

UN-No: Not Regulated

Proper Shipping Name: No information available

Hazard Class: No information available

Subsidiary Risk: No information available

Packing Group: No information available

Description: No information available

15. REGULATORY INFORMATION

U.S. Regulations

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

R-phrase(s)

R36 - Irritating to eyes.

S -phrase(s)

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Xi - Irritant.

16. OTHER INFORMATION

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. The Essential Oil Company, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, The Essential Oil Company assumes no responsibility for the completeness or accuracy of the information contained herein.