


swati Menthol & Allied Chemicals Ltd.
(A Govt. Recognised Export House)

REGD. OFFICE : BAREILLY ROAD, P.O. MODIPUR, RAMPUR INDIA
 Tel : 91-595-2357042 to 45 (4 Lines) Fax : 91-595-2357046
 Email : info@swatimenthol.com URL : <http://www.swatimenthol.com>

SAFETY DATA SHEET

Version: 1.3

PEPPERMINT OIL (PIPERITA)

Effective Date: 22.08.16

1 Identification of the substance/preparation and of the company/undertaking· **Product details**· **Trade name: PEPPERMINT OIL**· **UN number: 3082**· **Application of the substance / the preparation:** Laboratory chemical/Flavor/Fragrance Application· **Manufacturer/Supplier:**

Swati Menthol & Allied Chemicals Ltd.
 Opp. Akashwani, P.O. Modipur,
 Bareilly Road, Rampur (U.P.) 244 901
 India.

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· **Further information obtainable from:** Department Health, Safety and Environment

· **Information in case of emergency:** Swati Menthol & Allied Chemicals Ltd.,
 Telephone No: +91-595-2357042, 2357043, 2357044, 2357045

2 Hazards identification· **Classification according to 2012 Osha Hazard Communication Standard (29 CFR 1910.1200):**· **OSHA hazards:** Combustible liquid, Harmful if swallowed.· **Hazard Classification:**

- Skin irritation (Category 2), Skin Sensitization (Cat. 1)
- Eye irritation (Category 2)
- Acute Toxicity, oral (Category 4)
- Hazardous to the aquatic environment — Acute & Chronic Hazard, Category 2

· **Information concerning particular hazards for human and environment:****Hazard Statement(s)****H315:** Causes skin irritation**H317:** May cause an allergic skin reaction**H319:** Causes serious eye irritation

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Email : info@swallmenthol.com URL : <http://www.swalmenthol.com>**SAFETY DATA SHEET****PEPPERMINT OIL (PIPERITA)****Effective Date: 22.08.16****Version: 1.3****H302:** Harmful if swallowed**H401:** Toxic to aquatic life.**H411:** Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.**· Label Elements****Danger****· Prevention:****P 262:** Do not get in eyes, on skin, or on clothing.**P 264:** Wash..(hands/face) thoroughly after handling**P 280:** Wear protective gloves/protective clothing/eye protection/face protection**P 273:** Avoid Release to environment**P 305/313:** If in eyes, rinse with plenty of water for at least 15 minutes. Get medical aid.**P 332/313:** If skin irritation occurs, get medical advice/attention.**P 302/352:** IF ON SKIN: Wash with plenty of soap and water.**P 301/310:** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.**P 501:** Dispose of contents/container to an approved waste disposal plant.**· Additional information:**

All chemicals are potentially dangerous. They should only be handled by specially trained personnel.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.**3 Composition/information on ingredients****· CAS No. Description:** 8006-90-4, Peppermint Oil, **Common name / Synonym:** Mentha piperita oil**· Chemical Composition:**

Name	CAS #	% by weight
Peppermint Oil	8006-90-4	100

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4 First-aid measures**• General information:**

Immediately remove any clothing soiled by the product.

First Aider: Pay attention to self-protection!

General advice: No induce of vomiting by layman.

• After inhalation: Supply fresh air and to be sure call for a doctor.**• After skin contact:**

Immediately rinse with water.

If skin irritation continues, consult a doctor.

• After eye contact: Rinse opened eye for 10 minutes under running water. Then consult a doctor.**• After swallowing:**

Rinse out mouth and drink a glass of water. Do not induce vomiting.

Seek medical advice immediately and show the container or label.

5 Fire-fighting measures**• Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.**• Special hazards caused by the substance, its products of combustion or resulting gases:**

Formation of toxic gases is possible during heating or in case of fire.

• Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

• Additional information Prevent fire-fighting water from entering surface water or groundwater**6 Accidental release measures****• Person-related safety precautions:**

Ensure adequate ventilation

Do not breathe vapor/spray.

Avoid contact with the eyes and skin.

Wear protective clothing.

• Measures for environmental protection:

Do not allow to penetrate the ground/soil.

Do not allow to enter sewers/ surface or ground water.

Keep contaminated washing water and dispose of appropriately.

Measures for cleaning/collecting:**-Small Spill:** Absorb with inert material/liquid-binding material (e.g. Rotisorb® Art.-Nr. 1710.1).**-Large Spill:** Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal. Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk.**-Finish cleaning** by spreading water on the contaminated surface and dispose of the material collected as per local laws and regulations.**-Ensure** adequate ventilation.

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7 Handling and storage

- **Handling:**
- **Information for safe handling:**
 - Ensure good ventilation/exhaustion at the workplace.
 - Prevent formation of aerosols.
 - Keep containers, equipment and working place clean.
 - Handling corresponding to laboratory safety guidelines.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Do not eat, drink, smoke or sniff while working.
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing.
 - Wash hands before breaks and at the end of work.
 - Do not inhale gases / fumes / aerosols
 - Avoid contact with the eyes and skin.
- **Respiratory protection:**
 - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure, use self-contained respiratory protective device.
 - Use suitable respiratory protective device only when aerosol or mist is formed.
 - Required when vapors/aerosols are generated.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Due to missing tests no recommendation to the glove material can be given for the product.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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Eye protection:

Tightly sealed goggles

· **Body protection:** Protective work clothing**9 Physical and chemical properties**· **General Information**

Boiling Point 760 mmHg.	: 160-240 °C
Flash Point	: CLOSED CUP: 67 C - 71 °C (153 F - 159.8°F), OPEN CUP: 75 °C (167°F)
Vapour Pressure (mmHg.) 30°C	: <1
Vapour Density (Air = 1)	: 5.38
Solubility in water	: Practically Insoluble
Appearance & Odour	: Colorless, to pale yellow liquid, sweet pungent peppermint odour
Specific Gravity (Water = 1)	: 0.8980 @ 20°C
Percent Volatiles by volume	: 100%
Evaporation rate (Butyl Acetate = 1)	: N.A.
Melting Point	: N.A;
Physical State	: Liquid

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.
- **Materials to be avoided:** Strong oxidizing agents
- **Dangerous reactions** No information available.
- **Dangerous decomposition products:** Carbon monoxide and carbon dioxide

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**
 - Oral LD50 2650 mg/kg (Rat)
 - Dermal LD50 >5000 mg/kg (Rat)
- **Primary irritant effect:**
- **on the skin:**
 - Irritant to skin and mucous membranes.
 - Risk of skin sensitization.
- **on the eye:** Vapors may cause irritative symptoms.
- **after inhalation:** Slight irritations.
- **Sensitization:** Sensitization possible through skin contact.
- **Chronic Effects on Humans:** CARCINOGENIC EFFECTS: Classified 4 (No evidence.) by NTP, None. by OSHA, None. by NIOSH.
- **Further information:** The product should be handled with the care usual when dealing with chemicals.

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12 Ecological information

- **Ecotoxicological effects:**
- **Aquatic toxicity:** Quantitative data on the ecological effect of this product are not available.
- **Remark:**
Do not allow to enter waters, waste water, or soil!
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Toxic for fish
- **Additional ecological information:**
- **General notes:**
Danger to drinking water if even small quantities leak into the ground.
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

13 Disposal considerations

- **Product:**
- **Recommendation**
The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.
This material and its container must be disposed of as hazardous waste.
- **Un cleaned packaging:**
- **Recommendation:** Disposal according to official regulations.

14 Transport information

- **DOT**
 - **UN-Number:** 3082
 - **Packaging group:** III
 - **Hazard label:** 9
 - **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. · (Peppermint Oil)
- **TDG:**
 - **UN-Number:** 2052
 - **Packaging group:** III
 - **Hazard label:** 9
 - **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. · (Peppermint Oil)

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Maritime transport IMDG:

- **UN-Number:** 3082
- **Packaging group:** III
- **Hazard label:** 9
- **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. · (Peppermint Oil)
- **Marine Pollutant:** Yes

Air transport ICAO-TI and IATA-DGR:

- **UN-Number:** 3082
- **Packaging group:** III
- **Hazard label:** 9
- **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. · (Peppermint Oil)
- **Marine Pollutant:** Yes

15 Regulatory information**Labeling:**

Classification and labeling have been performed according to 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Risk phrases:

22 Harmful if swallowed

36/38 Irritating to eyes & skin.

43 May cause sensitization by skin contact.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

24/25 Avoid contact with skin and eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical aid

28 After contact with skin, wash immediately with plenty of water and soap

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

- **HMS Hazard Classifications:** HEALTH = 2 FLAMMABILITY = 2 REACTIVITY = 0 PROTECTION =H



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. OSHA PERMISSABLE EXPOSURE LIMIT (PEL): Not established

TSCA Listed: yes

TSCA 8(b) inventory: Peppermint Oil

WHMIS (Canada): Not controlled under WHMIS (Canada).

Prop. 65 Components California: This product contains no chemicals known to the State of California to cause cancer, birth defects or other damage.

- **Information about limitation of use:** In dealing with chemicals the national laws must be observed.
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant R-phrases**

May cause sensitization by skin contact.

Irritating to skin.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Department issuing MSDS:** Department: Health, Safety and Environment

· **Contact:** T.L Arora

· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

P: Marine Pollutant

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent