

SAFETY DATA SHEET

According to OSHA Standards 29 CFR 1910.1200

Date Created: 27-May-2015

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Version 1.0 / EN

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

Product Identifiers

Product Name: PEPPERMINT OIL

Common Name: Peppermint Oil

Classification: Essential oil

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses:

Odor/flavor ingredient in flavors or fragrances.

Uses advised against:

Not for personal use in current form or concentration due to material exhibiting skin irritant properties.

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 4), H227 - Combustible Liquid.

1910.106(a)(19)(iv) - Category 4 shall include liquids having flashpoints above 140 °F (60 °C) and at or below 199.4 °F (93 °C). When a Category 4 flammable liquid is heated for use to within 30 °F (16.7 °C) of its flashpoint, it shall be handled in accordance with the requirements for a Category 3 liquid with a flashpoint at or above 100 °F (37.8 °C).

1910.106(a)(19)(v) - When a liquid with a flashpoint greater than 199.4 °F (93°C) is heated for use to within 30 °F (16.7 °C) of its flashpoint, it shall be handled in accordance with the requirements for a Category 4 flammable liquid.

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

Hazard pictograms:



Warning

Signal word(s):

Hazard Statement Codes and Definitions	
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H335	May cause respiratory irritation
H411	Toxic to aquatic life with long lasting effects

Precautionary Statements	
P280	Wear protective gloves/protective clothing/eye protection/face protection
P302+352	IF ON SKIN: Wash with plenty of soap and water
P262	Do not get in eyes, on skin, or on clothing
P273	Avoid release to the environment
P391	Collect spillage

Other hazards

None noted.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product	CAS#	Percent(%)
Peppermint Oil	8006-90-4	100%

Production process: Steam distillation

Molecular formula: not applicable

Chemical characterization: Natural Complex Substance

Molecular Weight: not applicable

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General advice:

Consult a physician. Provide this safety data sheet to the physician in attendance.

Inhalation:

If inhaled, move person to fresh air. If not breathing, give artificial respiration.

Contact with skin:

Remove contaminated clothes. Wash thoroughly with soap and water. If symptoms persist, seek medical advice.

Contact with eyes:

Flush immediately with water for at least 15 minutes. If symptoms persist, seek medical advice.

Ingestion:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical advice.

Most important symptoms and effects, both acute and delayed

Harmful if swallowed. Irritation may occur in contact with skin. Irritant if inhaled.

Symptoms:

No information available.

Acute and delayed effects:

No information available.

Indication of immediate medical attention and special treatment needed

Treatment:

Immediately call a doctor/physician.

SECTION 5: FIRE-FIGHTING MEASURES**Extinguishing media****Suitable extinguishing media:**

Alcohol-resistant foam, carbon dioxide, dry chemical, foam.

Unsuitable extinguishing media:

Do not use a direct water jet on burning material.

Special hazards arising from the substance or mixture**Specific hazards for firefighting:**

Water may be ineffective. Release of carbon monoxide and dioxide, smoke, soot. Wear self-contained breathing apparatus for firefighting if necessary.

Advice for firefighters**Further information:**

Standard procedure for chemical fires. Use water spray to cool unopened containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal precautions:**

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill. Vapors can accumulate in low areas to form explosive concentrations. For personal protection see section 8.

Environmental precautions**Environmental precautions:**

Keep away from drains, surface- and groundwater and soil.

Methods and materials for containment and cleaning up**Methods for cleaning up :**

Contain spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations (see section 13) Keep in suitable, closed containers for disposal.

Reference to other sections

See sections 4, 8 and 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling:

Avoid excessive inhalation of concentrated vapors or mist, contact with skin and eyes. Follow good manufacturing practices for housekeeping and personal hygiene. Wash any exposed skin immediately after any chemical contact. Dispose or clean contaminated clothing before reusing. Keep away from ignition sources and open flame.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:

Store in a cool, dry, ventilated area away from heat sources. Keep containers upright and tightly closed to prevent leakage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Contains no substances with occupational exposure limit values.

Exposure controls

Engineering measures

When required, apply local exhaust systems to maintain negative air pressure relative to other production areas. If deemed necessary, isolate production areas when mixing or when material is openly handled.

Personal protective equipment

Respiratory protection:

When appropriate, use local ventilation systems around containers that have been opened to avoid excessive inhalation. Respiratory protection should not be required during normal operations in a work area where environmental controls such as adequate ventilation, etc. are applied and properly functioning.

Skin protection:

Avoid skin contact. Use chemically resistant gloves.

Eye protection:

Use tight-fitting goggles, face shield or safety glasses, if eye contact might occur.

Environmental exposure controls

General advice:

Keep away from drains that lead to groundwater and/or soil. Prevent further leakage or spillage safely.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:	Colorless to pale yellow liquid at 20 °C (1.013 hPa)
Odour:	Minty, cooling, herbal,
Odour threshold:	Not determined
pH:	Not applicable (organic substance)
Freezing point:	Not determined
Boiling point:	Not determined (substance is a UVCB)
Flash point:	67 °C (153 °F) (Closed Cup)
Evaporation rate:	Not determined
Flammability (solid, gas):	Combustible
Lower explosion limit:	Not determined
Upper explosion limit:	Not determined
Vapor density:	Not determined
Relative density:	0.8960 - 0.9080 @ 20 °C
Solubility other solvents:	Miscible with organic solvents

Partition coefficient:	Not applicable
Auto ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Not determined
Oxidizing properties:	Not determined

Other information

No additional information.

SECTION 10: STABILITY AND REACTIVITY

Reactivity

No hazards to be specifically mentioned.

Chemical stability

No hazardous reaction when handled and stored according to provisions.

Possibility of hazardous reactions

Presents no significant reactivity hazard, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

Conditions to avoid

Direct sources of heat (if not being distilled), open flame or ignition sources

Incompatible materials

Avoid contact with strong acids, alkali or oxidizing agents.

Hazardous decomposition products

Carbon monoxide and unidentified organic compounds may be formed during combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

acute toxicity:	LD (oral, rat) 2426 mg/kg
skin corrosion/irritation:	the substance is classified as a skin irritant due to the presence of menthol
serious eye damage/irritation:	the substance may be irritating to the eyes
respiratory or skin sensitization :	the substance is a potential skin sensitizer due to the presence of limonene (> 1%)
germ cell mutagenicity	No information available.
carcinogenicity:	No information available.
reproductive toxicity:	No information available.
STOT-single exposure:	No information available.
STOT-repeated exposure:	No information available.
aspiration hazard:	No information available.
IARC:	To the best of our knowledge, no component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by
ACGIH:	To the best of our knowledge, no component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	This product contains a naturally occurring constituent present at levels greater than or equal to 0.1% that is identified as probable, possible or confirmed carcinogen in male and female rats.
OSHA:	To the best of our knowledge, no component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Acute (short-term) toxicity:

Fish:	Not determined
Crustacea:	Not determined
Algae/aquatic plants:	Not determined
Other organisms:	Not determined

Chronic (long-term) toxicity:

Fish:	Not determined
Crustacea:	Not determined
Algae/aquatic plants:	Not determined
Other organisms:	Not determined

Persistence and degradability

Abiotic Degradation:	Not determined
Physical- and photo-chemical elimination:	Not determined
Biodegradation:	Not determined

The main constituents of this NCS are readily or inherently biodegradable.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow):	Not determined
Bioconcentration factor (BCF):	Not determined

12.4 Mobility in soil

Surface tension:	Not determined
Adsorption/Desorption:	Not determined

Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating or toxic (PBT).

This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

Other adverse effects

No information available.

Additional information

Substance is judged by the properties of the constituents.

Some of the constituents classify as:

Very toxic or toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Environmental hazard classification is based on the presence and content of the constituents (see section 3.1)

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product:	Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment.
Contaminated packaging:	Empty containers should be cleaned and preferably be recycled or disposed of according to regulations.

SECTION 14: TRANSPORT INFORMATION

DOT (US)

NMFC No: 145100-01
CLASS: 65
HAZARD DEFINITION: NON-HAZARDOUS

Air Transport (IATA)

UN No: UN3082
CLASS: CLASS 9
PRODUCT DESCRIPTION: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LIMONENE)
PACKAGING GROUP: III
HAZARD DEFINITION: HAZARDOUS MATERIAL

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

FEMA No.: 2848
FDA: 21 CFR 182.20
INCI name: Mentha Piperita
Harmonised Tariff code: 3301.24

Canada: DSL/NDSL: Listed
United States: TSCA: Listed

WHMIS: CLASS B 3
CERCLA: Not Applicable

Under the Workplace Hazardous Materials Information System (WHMIS) 1988, flammable liquids have a flashpoint below 37.8°C (100°F). Combustible liquids have a flashpoint at or above 37.8°C (100°F) and below 93.3°C (200°F).

United States:

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Fire Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

New Jersey Right To Know Components

Oils, peppermint CAS-No. 8006-90-4

Pennsylvania Right To Know Components

Oils, peppermint CAS-No. 8006-90-4

SECTION 16: OTHER INFORMATION

Date Created: 27-May-2015

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Indication of changes

No changes noted.

NOTE: Full text of Hazard and Precautionary statements referred to under sections 2 and 3

Relevant Hazard (H-) and Precautionary (P-)phrases (number and full text):

Hazard statements:

H315 causes skin irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P280 Wear protective gloves/eye protection/face protection.
P302/352 If on Skin: Wash with plenty of soap and water.
P262 Do not get in eyes, on skin or on clothing.
P273 Avoid release to the environment.
P391 Collect spillage.

Legal Disclaimer

The information contained herein is believed to be based on data considered accurate and reliable and reasonable care has been taken into the preparation of this document. However, the data is provided without warranty, expressed or implied regarding its correctness or accuracy. It is the user's responsibility both to determine safe conditions for use of this product, and to assume liability for loss, injury, damage, or expense resulting from the improper use of this product.

***** END OF Safety Data Sheet *****