

Section 1 Chemical Product and Company Identification

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For laboratory and industrial use only.
Not for drug, food or household use.

Product METHYL SALICYLATE

Synonyms Synthetic Oil of Wintergreen

Section 2 Hazards Identification

Signal word: WARNING

Pictograms: GHS07

Target organs: None known.



GHS Classification:

Acute toxicity, oral (Category 4)

GHS Label information: Hazard statement(s):

H302: Harmful if swallowed.

Precautionary statement(s):

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P301+P330+P312: IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known

Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3 Composition / Information on Ingredients

| Chemical Name | CAS # | % | EINECS |
|-------------------|----------|------|-----------|
| Methyl salicylate | 119-36-8 | 100% | 204-317-7 |

Section 4 First Aid Measures

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical, dry sand, alcohol foam. Water may cause frothing.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water on oil fires with caution. Oil is lighter than water and insoluble in water. The fire could easily be spread by the use of water in an area where the water would not be contained.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling & Storage

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Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances.

Section 8 Exposure Controls / Personal Protection

| Exposure Limits: | Chemical Name | ACGIH (TLV) | OSHA (PEL) | NIOSH (REL) |
|------------------|-------------------|------------------|------------------|------------------|
| | Methyl salicylate | None established | None established | None established |

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

Section 9 Physical & Chemical Properties

| | | |
|---|--|--|
| Appearance: Clear, yellow to reddish liquid. Odor: Strong aromatic odor of wintergreen. Odor threshold: Data not available. pH: Data not available. Melting / Freezing point: -8.6°C (17°F) Boiling point: 219-224°C (426-435°F) Flash point: 101°C (214°F) CC | Evaporation rate (= 1): Data not available Flammability (solid/gas): Data not available. Explosion limits: Lower / Upper: Data not available Vapor pressure (mm Hg): 1 @ 54°C Vapor density (Air = 1): 5.24 Relative density (Specific gravity): 1.18 Solubility(ies): Very slightly soluble in water. | Partition coefficient: Data not available Auto-ignition temperature: 454°C (850°F) Decomposition temperature: Data not available. Viscosity: Data not available. Molecular formula: <chem>HOc1ccc(cc1)C(=O)OC</chem> Molecular weight: 152.15 |
|---|--|--|

Section 10 Stability & Reactivity

Chemical stability: Stable
Conditions to avoid: Excessive temperatures and heat.
Incompatible materials: Strong oxidizers, acids, alkalies.
Hazardous decomposition products: Oxides of carbon.
Hazardous polymerization: Will not occur.

Section 11 Toxicological Information

Acute toxicity: Oral-rat LD50: 887 mg/kg
Skin corrosion/irritation: Data not available
Serious eye damage/irritation: Data not available
Respiratory or skin sensitization: Data not available
Germ cell mutagenicity: Data not available
Carcinogenicity: Data not available
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
IARC: 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 IARC.
OSHA: 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.
Reproductive toxicity: Data not available
STOT-single exposure: Data not available
STOT-repeated exposure: Data not available
Aspiration hazard: Data not available
Potential health effects:
Inhalation: Causes respiratory tract irritation. Irritation may lead to chemical pneumonitis and pulmonary edema. May cause symptoms same as those described for ingestion. May cause lung damage. May be harmful if inhaled.
Ingestion: Harmful if swallowed. May cause irritation of the digestive tract. May cause nausea and vomiting.
Skin: Contact causes irritation. May be harmful if absorbed through the skin.
Eyes: Causes irritation.
Signs and symptoms of exposure: Chronic exposure may cause liver and kidney damage. Repeated exposure may cause metabolic disturbances. May cause fetal effects according to animal studies. **Additional information:** RTECS #: VO4725000

Section 12 Ecological Information

Toxicity to fish: No data available
Toxicity to daphnia and other aquatic invertebrates: Daphnia: 50 mg/L/24H - Fish: Water flea: >100 mg/L/96H
Toxicity to algae: No data available
Persistence and degradability: No data available
Bioaccumulative potential: 100%-7D
Mobility in soil: No data available
PBT and vPvB assessment: No data available
Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Section 13 Disposal Considerations

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

Section 14 Transport Information (US DOT / CANADA TDG)

| | | | |
|-------------------------------------|--|--------------------------------|-----------------------------|
| UN/NA number: Not applicable | Shipping name: Not Regulated | Reportable Quantity: No | Marine pollutant: No |
| Hazard class: Not applicable | Packing group: Not applicable | | |
| Exceptions: Not applicable | 2016 ERG Guide # Not applicable | | |

Section 15 Regulatory Information

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.

| Component | TSCA | CERCLA (RQ) | RCRA code | DSL | NDSL | CA Prop 65 |
|-------------------|--------|-------------|------------|--------|------------|--|
| Methyl salicylate | Listed | Not listed | Not listed | Listed | Not listed | This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity. |

Section 16 Other Information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.