SECTION 1: Identification of the substance/mixture and of the supplier

Product name: Methyl Salicylate, Synthetic

Manufacturer/Supplier Trade name:

Manufacturer/Supplier Article number: S25437

Recommended uses of the product and restrictions on use:

Manufacturer Details:
AquaPhoenix Scientific, Inc
9 Barnhart Drive, Hanover, PA 17331
(717) 632-1291

Supplier Details:
Fisher Science Education
6771 Silver Crest Road, Nazareth, PA 18064
(724)517-1954

Emergency telephone number:
Fisher Science Education
Emergency Telephone No.: 800-535-5053

SECTION 2: Hazards identification

Classification of the substance or mixture:

Irritant
Acute toxicity (oral, dermal, inhalation), category 4

Acute toxicity oral, category 4.

Signal word: Warning

Hazard statements:
Harmful if swallowed.

Precautionary statements:
Do not eat, drink or smoke when using this product.
Wash ... thoroughly after handling.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Rinse mouth.
Dispose of contents/container to ....

Other Non-GHS Classification:

WHMIS
None
NFPA/HMIS
SECTION 3: Composition/information on ingredients

Ingredients:

<table>
<thead>
<tr>
<th>CAS</th>
<th>Methyl Salicylate, Synthetic</th>
<th>&gt;99 %</th>
</tr>
</thead>
</table>

Percentages are by weight

SECTION 4: First aid measures

Description of first aid measures

After inhalation:
Move exposed individual to fresh air. Loosen clothing as necessary and position individual in a comfortable position. Seek medical advice if discomfort or irritation persists.

After skin contact:
Wash affected area with soap and water. Rinse/flush exposed skin gently using water for 15-20 minutes. Seek medical attention if irritation persists or if concerned.

After eye contact:
Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lens(es) if able to do so during rinsing. Seek medical attention if irritation persists or if concerned.

After swallowing:
Rinse mouth thoroughly. Do not induce vomiting. Have exposed individual drink sips of water. Seek medical attention if irritation, discomfort or vomiting persists.

Most important symptoms and effects, both acute and delayed:

Indication of any immediate medical attention and special treatment needed:
If seeking medical attention, provide SDS document to physician.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing agents:
If in laboratory setting, follow laboratory fire suppression procedures. Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

Unsuitable extinguishing agents: None

Special hazards arising from the substance or mixture:
Combustion products may include carbon oxides or other toxic vapors.

Advice for firefighters:
Safety Data Sheet
according to 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.26.2014

Methyl Salicylate, Synthetic

Protective equipment: None

Additional information (precautions):
Move product containers away from fire or keep cool with water spray as a protective measure, where feasible.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:
Wear protective equipment. Use respiratory protective device against the effects of fumes/dust/aerosol. Ensure adequate ventilation. Keep away from ignition sources. Protect from heat. Stop the spill, if possible. Contain spilled material by diking or using inert absorbent. Transfer to a disposal or recovery container.

Environmental precautions:
Prevent from reaching drains, sewer or waterway. Collect contaminated soil for characterization per Section 13.

Methods and material for containment and cleaning up:
If in a laboratory setting, follow Chemical Hygiene Plan procedures. Collect liquids using vacuum or by use of absorbents. Place into properly labeled containers for recovery or disposal. If necessary, use trained response staff/contractor. Remove all sources of ignition. Avoid runoff into storm sewers and ditches which lead to waterways.

Reference to other sections: None

SECTION 7: Handling and storage

Precautions for safe handling:
Prevent formation of aerosols. Follow good hygiene procedures when handling chemical materials. Do not eat, drink, smoke, or use personal products when handling chemical substances. If in a laboratory setting, follow Chemical Hygiene Plan. Use only in well ventilated areas. Avoid splashes or spray in enclosed areas.

Conditions for safe storage, including any incompatibilities:
Provide ventilation for containers. Avoid storage near extreme heat, ignition sources or open flame. Store away from foodstuffs. Store away from oxidizing agents. Store in cool, dry conditions in well sealed containers. Store with like hazards.

SECTION 8: Exposure controls/personal protection

Control Parameters: 119-36-8, Methyl Salicylate, OSHA PEL TWA: Not available.

Appropriate Engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use/handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Respiratory protection: Not required under normal conditions of use. Use suitable respiratory protective device when high concentrations are present. Use suitable respiratory protective device when aerosol or mist is formed. For spills, respiratory protection may be advisable.

Protection of skin: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation being used/handled. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Eye protection: Safety glasses with side shields or goggles.
General hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. Keep away from food, beverages and feed sources. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases/fumes/dust/mist/vapor/aerosols. Avoid contact with the eyes and skin.

SECTION 9: Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance (physical state, color)</td>
<td>Clear yellow-red Liquid</td>
</tr>
<tr>
<td>Explosion limit lower:</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Explosion limit upper:</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Odor</td>
<td>wintergeen</td>
</tr>
<tr>
<td>Vapor pressure at 20°C:</td>
<td>1 hPa (1 mmHg) at 54 °C (129 °F)</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not Determined</td>
</tr>
<tr>
<td>pH-value</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Melting/Freezing point:</td>
<td>-8 - -7 °C (18 - 19 °F) - lit</td>
</tr>
<tr>
<td>Boiling point/Boiling range</td>
<td>222 °C (432 °F) - lit</td>
</tr>
<tr>
<td>Flash point (closed cup):</td>
<td>96 °C (205 °F)</td>
</tr>
<tr>
<td>Flash point (closed cup):</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Flammability (solid, gaseous)</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Density at 20°C:</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Odor</td>
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<tr>
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</tr>
<tr>
<td>Flammability (solid, gaseous)</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Density at 20°C:</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>log Pow: 2.55</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.174 g/cm3 at 25 °C (77 °F)</td>
</tr>
<tr>
<td>Solubilities</td>
<td>Slightly soluble in water.</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

Reactivity: Nonreactive under normal conditions.

Chemical stability: No decomposition if used and stored according to specifications.

Possible hazardous reactions: None under normal processing.

Conditions to avoid: Store away from oxidizing agents, strong acids or bases. Heat. or light. Incompatible Materials. Ignition sources.


Hazardous decomposition products: Carbon oxides (CO, CO2).

SECTION 11: Toxicological information

Acute Toxicity:

Oral: OECD Rat - 887 mg/kg

Dermal:
Rabbit - >5,000 mg/kg

**Chronic Toxicity:** No additional information.

**Corrosion Irritation:**

**Dermal:**
Rabbit - Mild Skin Irritation - 4 hr

**Ocular:**
OECD Rabbit No Irritation - 72 hr

**Sensitization:**
Does not Cause Skin Sensitization.

**Numerical Measures:** No additional information.

**Carcinogenicity:** No additional information.

**Mutagenicity:** No additional information.

**Reproductive Toxicity:**
Has caused reproductive effects in animals.

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**SECTION 12: Ecological information**

**Ecotoxicity:**
Toxicity to fish: static test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96 h
Toxicity to algae: static test EC50 - Desmodesmus subspicatus (green algae) - 27 mg/l - 72 h

**Persistence and degradability:**
Readily degradable in the environment.

**Bioaccumulative potential:** No additional information.

**Mobility in soil:**
Aqueous solution has high mobility in soil.

**Other adverse effects:** No additional information.

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**SECTION 13: Disposal considerations**

**Waste disposal recommendations:**
Do not allow product to reach sewage system or open water. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Consult federal state/provincial and local regulations regarding the proper disposal of waste material that may incorporate some amount of this product.

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**SECTION 14: Transport information**

**US DOT**

**UN Number:**
ADR, ADN, DOT, IMDG, IATA

Not Dangerous Goods

**Limited Quantity Exception:**
None
Methyl Salicylate, Synthetic

Bulk:
- RQ (if applicable): None
- Proper shipping Name: Not Dangerous Goods.
- Hazard Class: None
- Packing Group: Not Dangerous Goods.
- Marine Pollutant (if applicable): No additional information.
- Comments: None

Non Bulk:
- RQ (if applicable): None
- Proper shipping Name: Not Dangerous Goods.
- Hazard Class: None
- Packing Group: Not Dangerous Goods.
- Marine Pollutant (if applicable): No additional information.
- Comments: None

SECTION 15: Regulatory information

United States (USA)

- SARA Section 311/312 (Specific toxic chemical listings):
  - Acute, Chronic
- SARA Section 313 (Specific toxic chemical listings):
  - None of the ingredients are listed.
- RCRA (hazardous waste code):
  - None of the ingredients are listed.
- TSCA (Toxic Substances Control Act):
  - All ingredients are listed.
- CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):
  - None of the ingredients are listed.

Proposition 65 (California):

- Chemicals known to cause cancer:
  - None of the ingredients are listed.
- Chemicals known to cause reproductive toxicity for females:
  - None of the ingredients are listed.
- Chemicals known to cause reproductive toxicity for males:
  - None of the ingredients are listed.
- Chemicals known to cause developmental toxicity:
  - None of the ingredients are listed.

Canada

- Canadian Domestic Substances List (DSL):
  - All ingredients are listed.
- Canadian NPRI Ingredient Disclosure list (limit 0.1%):
  - None of the ingredients are listed.
- Canadian NPRI Ingredient Disclosure list (limit 1%):
  - None of the ingredients are listed.

SECTION 16: Other information
This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

**GHS Full Text Phrases:** None

**Abbreviations and Acronyms:**

- PNEC Predicted No-Effect Concentration (REACH).
- SARA Superfund Amendments and Reauthorization Act (USA).
- RCRA Resource Conservation and Recovery Act (USA).
- TSCA Toxic Substances Control Act (USA).
- NPRI National Pollutant Release Inventory (Canada).
- DOT US Department of Transportation.
- IATA International Air Transport Association.
- GHS Globally Harmonized System of Classification and Labelling of Chemicals.
- ACGIH American Conference of Governmental Industrial Hygienists.
- CAS Chemical Abstracts Service (division of the American Chemical Society).
- NFPA National Fire Protection Association (USA).
- HMIS Hazardous Materials Identification System (USA).
- WHMIS Workplace Hazardous Materials Information System (Canada).
- DNEL Derived No-Effect Level (REACH).

**Effective date:** 12.26.2014

**Last updated:** 06.17.2015