

# Safety Data Sheet

## Methyl Salicylate

**CAROLINA**<sup>®</sup>  
www.carolina.com

### Section 1 Product Description

**Product Name:** Methyl Salicylate  
**Recommended Use:** Science education applications  
**Synonyms:** Synthetic wintergreen oil; betula oil; 2-hydroxybenzoic  
**Distributor:** Carolina Biological Supply Company  
2700 York Road, Burlington, NC 27215  
1-800-227-1150  
**Chemical Information:** 800-227-1150 (8am-5pm (ET) M-F)  
**Chemtrec:** 800-424-9300 (Transportation Spill Response 24 hours)

### Section 2 Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

**WARNING**



Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Harmful to aquatic life.

**GHS Classification:**

Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2A, Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3, Hazardous to the aquatic environment - Acute Category 3, Acute Toxicity - Oral Category 4

### Section 3 Composition / Information on Ingredients

| <u>Chemical Name</u> | <u>CAS #</u> | <u>%</u> |
|----------------------|--------------|----------|
| Methyl Salicylate    | 119-36-8     | 100      |

### Section 4 First Aid Measures

**Emergency and First Aid Procedures**

**Inhalation:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
**Skin Contact:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.  
**Ingestion:** If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

### Section 5 Firefighting Procedures

**Extinguishing Media:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.  
**Fire Fighting Methods and Protection:** Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.  
**Fire and/or Explosion Hazards:** Keep away from heat. Explosive when mixed with oxidising substances. Keep away from sources of ignition - No smoking.  
**Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide

### Section 6 Spill or Leak Procedures

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## Steps to Take in Case Material Is Released or Spilled:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Evacuate the area promptly. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Use an inert absorbent such as sand or vermiculite. Place in properly labeled closed container.

## Section 7 Handling and Storage

**Handling:** Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Keep container tightly closed in a cool, well-ventilated place.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store locked up. Suitable for any general chemical storage.

**Storage Code:** Green - general chemical storage

## Section 8 Protection Information

| <u>Chemical Name</u> | <u>ACGIH</u> |               | <u>OSHA PEL</u> |               |
|----------------------|--------------|---------------|-----------------|---------------|
|                      | <u>(TWA)</u> | <u>(STEL)</u> | <u>(TWA)</u>    | <u>(STEL)</u> |
| No data available    | N/A          | N/A           | N/A             | N/A           |

### Control Parameters

**Engineering Measures:** No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

**Personal Protective Equipment (PPE):** Lab coat, apron, eye wash, safety shower.

**Respiratory Protection:** No respiratory protection required under normal conditions of use.

**Eye Protection:** Wear chemical splash goggles when handling this product. Have an eye wash station available.

**Skin Protection:** Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

**Gloves:** Butyl rubber, Nitrile

## Section 9 Physical Data

|  |   |
|--|---|
| <b>Formula:</b> CHOC6H4C00CH                       | <b>Vapor Pressure:</b> 0.0 at 20 °C                 |
| <b>Molecular Weight:</b> 152.15                    | <b>Evaporation Rate (BuAc=1):</b> 1                 |
| <b>Appearance:</b> Colorless to pale yellow Liquid | <b>Vapor Density (Air=1):</b> 5.24                  |
| <b>Odor:</b> Moderate Fragrant aromatic            | <b>Specific Gravity:</b> 1.18                       |
| <b>Odor Threshold:</b> No data available           | <b>Solubility in Water:</b> Practically Insoluble   |
| <b>pH:</b> No data available                       | <b>Log Pow (calculated):</b> 2.55                   |
| <b>Melting Point:</b> -8 C                         | <b>Autoignition Temperature:</b> 450 C              |
| <b>Boiling Point:</b> 223 C                        | <b>Decomposition Temperature:</b> No data available |
| <b>Flash Point:</b> No data available              | <b>Viscosity:</b> No data available                 |
| <b>Flammable Limits in Air:</b> N/A                | <b>Percent Volatile by Volume:</b> 100% at 21 °C    |

## Section 10 Reactivity Data

**Reactivity:** No data available

**Chemical Stability:** Stable under normal conditions.

**Conditions to Avoid:** Exposure to light. Elevated temperatures

**Incompatible Materials:** Strong oxidizing agents, Caustics (bases)

**Hazardous Polymerization:** Will not occur

## Section 11 Toxicity Data

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**Routes of Entry:** Ingestion, skin and eye contact.  
**Symptoms (Acute):** , Eye disorders, Gastrointestinal,, Cardiovascular system  
**Delayed Effects:** No data available

|                        |                   |                         |                                 |                        |
|------------------------|-------------------|-------------------------|---------------------------------|------------------------|
| <b>Acute Toxicity:</b> |                   |                         |                                 |                        |
| <b>Chemical Name</b>   | <b>CAS Number</b> | <b>Oral LD50</b>        | <b>Dermal LD50</b>              | <b>Inhalation LC50</b> |
| Methyl Salicylate      | 119-36-8          | Oral LD50 Rat 887 mg/kg | Dermal LD50 Rabbit > 5000 mg/kg | Not determined         |

|                         |                   |             |            |             |
|-------------------------|-------------------|-------------|------------|-------------|
| <b>Carcinogenicity:</b> |                   |             |            |             |
| <b>Chemical Name</b>    | <b>CAS Number</b> | <b>IARC</b> | <b>NTP</b> | <b>OSHA</b> |
| No data available       | 119-36-8          | Not listed  | Not listed | Not listed  |

**Chronic Effects:**  
**Mutagenicity:** No evidence of a mutagenic effect.  
**Teratogenicity:** No evidence of a teratogenic effect (birth defect).  
**Sensitization:** No evidence of a sensitization effect.  
**Reproductive:** No evidence of negative reproductive effects.  
**Target Organ Effects:**  
**Acute:** See Section 2  
**Chronic:** N/A

## Section 12 Ecological Data

**Overview:** This material is not expected to be harmful to the ecology.  
**Mobility:** No data  
**Persistence:** No data  
**Bioaccumulation:** No data  
**Degradability:** No data  
**Other Adverse Effects:** No data

|                      |                   |                                  |
|----------------------|-------------------|----------------------------------|
| <b>Chemical Name</b> | <b>CAS Number</b> | <b>Eco Toxicity</b>              |
| Methyl Salicylate    | 119-36-8          | 24 HR EC50 DAPHNIA MAGNA 50 MG/L |

## Section 13 Disposal Information

**Disposal Methods:** Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.  
**Waste Disposal Code(s):** Not Determined

## Section 14 Transport Information

|  |   |
|--|---|
| <b>Ground - DOT Proper Shipping Name:</b><br>N/A | <b>Air - IATA Proper Shipping Name:</b><br>Not regulated for air transport by IATA. |
|--|---|

## Section 15 Regulatory Information

**TSCA Status:** All components in this product are on the TSCA Inventory.

| <b>Chemical Name</b> | <b>CAS Number</b> | <b>§ 313 Name</b> | <b>§ 304 RQ</b> | <b>CERCLA RQ</b> | <b>§ 302 TPQ</b> | <b>CAA 112(2) TQ</b> |
|----------------------|-------------------|-------------------|-----------------|------------------|------------------|----------------------|
| No data available    | 119-36-8          | No                | No              | No               | No               | No                   |

## Section 16 Additional Information

**Revised:** 09/09/2015      **Replaces:** 09/03/2014      **Printed:** 10-29-2015

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

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## Glossary

|        |   |      |   |
|--------|---|------|---|
| ACGIH  | American Conference of Governmental Industrial Hygienists             | NTP  | National Toxicology Program                   |
| CAS    | Chemical Abstract Service Number                                      | OSHA | Occupational Safety and Health Administration |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act | PEL  | Permissible Exposure Limit                    |
| DOT    | U.S. Department of Transportation                                     | ppm  | Parts per million                             |
| IARC   | International Agency for Research on Cancer                           | RCRA | Resource Conservation and Recovery Act        |
| N/A    | Not Available   | SARA | Superfund Amendments and Reauthorization Act  |
|        |   | TLV  | Threshold Limit Value                         |
|        |   | TSCA | Toxic Substances Control Act                  |
|        |   | IDLH | Immediately dangerous to life and health      |