



Material Safety Data Sheet

Methyl Salicylate MSDS

1. SUBSTANCE IDENTIFICATION

- 1.1. Product Name: [Methyl Salicylate](#)
- 1.2. Description: Methyl Salicylate is a organic ester manufactured through esterifying salicylic acid with methanol.
- 1.3. Chemical Formula: C₈H₈O₃
- 1.4. Molecular weight: 152.15
- 1.5. CAS #: 119-36-8
- 1.6. EINECS #: 204-317-7
- 1.7. Manufactured by: Foodchem International Corporation, Shanghai China.
- 1.8. Supplied by: Foodchem International Corporation, Shanghai China.
- 1.9. Usage: In food as flavoring agent or fragrance

2. Composition

- 2.1. Methyl Salicylate: >99.62%
- 2.2. Hazardous impurities: Negative

3. Physical/Chemical Characteristics

- 3.1. Physical State: Liquid
- 3.2. Appearance: Colorless to slight yellow transparent oily liquid
- 3.3. Odor: Strong.
- 3.4. pH: 7.5
- 3.5. Melting point/range: -8.6 ° C (16.5 ° F)
- 3.6. Boiling point: 223.3 ° C (433.9 ° F)
- 3.7. Bulk density: 1.184g/cm³
- 3.8. Solubility: Very slightly soluble in cold water.

4. Stability/Reactivity

- 4.1. Chemical Stability: Stable under normal temperatures and pressures
- 4.2. Shelf Life: 24 months period
- 4.3. Hazardous decomposition: Carbon monoxide, carbon dioxide, salicylic acid.
- 4.4. Hazardous polymerization: Will not occur
- 4.5. Incompatible with: Strong oxidizing agents, strong bases

5. Handling/Storage

- 5.1. Storage: kept in dark, dry and cool place, in sealed container
- 5.2. Handling precaution: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Ground and bond containers when transferring material. Do not get on skin or in eyes. Do not ingest or inhale.

6. Exposure Control

- 6.1. Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.
- 6.2. Respiratory protection: NIOSH/MSHA or European Standard EN 149 approved respirator
- 6.3. Eye Protection: Protective eyeglasses or chemical safety goggles
- 6.4. Skin Protection: Wear appropriate protective gloves and clothes to minimize skin contact.
- 6.5. Other: Consult professionals if Methyl Salicylate need to be handled under some special conditions.



7. Hazards Identification

- 7.1. Hazardous overview: Methyl Salicylate is Very hazardous in case of ingestion. Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator).
- 7.2. Contact with eyes: May cause eye irritation.
- 7.3. Contact with skin: Causes moderate skin irritation. May be absorbed through the skin in harmful amounts.
- 7.4. Ingestion: May cause nausea and vomiting. May be harmful if swallowed. Systemic effects of exposure include initial stimulation and later central nervous system depression. Symptoms include convulsions, respiratory failure, cardiac collapse, and possible death.
- 7.5. Inhalation: Causes respiratory tract irritation. Irritation may lead to chemical pneumonitis and pulmonary edema. May cause effects similar to those described for ingestion. May cause lung damage.
- 7.6. Other: Not Applicable

8. First Aid Measures

- 8.1. Contact with eyes: Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.
- 8.2. Contact with skin: wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing
- 8.3. Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
- 8.4. Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention

9. Fire and Explosion Data

- 9.1. General information: May be combustible at high temperature.
- 9.2. Flash point: CLOSED CUP: 96 ° C (204.8 ° F)
- 9.3. Ignition control: Avoid Daidzein ignition sources Methyl Salicylate vapor might be generated.
- 9.4. Dust control: Keep the handling area with adequate ventilation
- 9.5. Extinguishing Media: Not available
- 9.6. Spills/Leaks: Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid.

10. Transport Information

- 10.1. No special requirements and no restrictions on transportation by land, sea or air.

11. Ecological Information

- 11.1. Methyl Salicylate is fully degradation biodegradable. The product itself and its products of degradation are not toxic

12. Other Information

- 12.1. This Safety Data Sheet of Methyl Salicylate is based upon a limited review of Foodchem International Corporation files and standard Toxicological handbooks. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Foodchem International Corporation be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Foodchem International Corporation has been advised of the possibility of such damages.

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