



# MATERIAL SAFETY DATA SHEET

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MSDS No. MM 520  
Effective Date March 31, 1999

## SECTION V HEALTH HAZARD DATA

MM 520

**Threshold Limited Value** None established by (ACGIH 1992-93).  
Toxicity data; Oral rat LD50: 887 mg/kg; Oral-man LDLO 101 mg/kg.

**Effects of Overexposure** **TARGET ORGANS AFFECTED:** Kidneys, central nervous system. Accidental acute poisoning is not uncommon. Kidney irritation, vomiting and convulsions occur.  
**INGESTION:** Of relatively small amounts may cause severe poisoning and death (average lethal dose: 10 mL. in children, 30 mL. in adults). Symptoms of poisoning: nausea, vomiting, acidosis, pulmonary edema, pneumonia, convulsions, death. **EYES AND SKIN:** Can cause severe irritation. May be absorbed through skin in toxic amounts.

**Emergency and First Aid Procedures** **INGESTION:** If swallowed, if conscious, give several glasses of water to drink. Induce vomiting and call physician. Never give anything by mouth to an unconscious person. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation persists, get medical attention. **SKIN:** Wash with soap and water. **INHALATION:** Remove to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>
	<b>Stable</b>	X	

**Incompatibility (Materials to Avoid)** Strong oxidizers, acids, alkalis.

**Hazardous Decomposition Products** Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide.

<b>Hazardous Polymerization</b>		<b>Conditions to Avoid</b>
<b>May Occur</b>	<b>Will Not Occur</b>	
	X	Not applicable.

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled** Ventilate area. Wearing suitable protective clothing, absorb spilled material with an inert dry material and place in a suitable container for disposal. Wash spill area with soap and water.

## Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.  
Dispose of in an approved incinerator or contract with a licensed waste disposal agency.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)** Work in ventilation hood. If necessary wear a NIOSH/MSHA-approved respirator for organic materials.

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Recommended.</b>	<b>Special</b>	<b>No.</b>
	<b>Mechanical (General)</b>	<b>Recommended.</b>	<b>Other</b>	<b>No.</b>

<b>Protective Gloves</b>	Rubber.	<b>Eye Protection</b>	Chemical safety glasses.
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**Other Protective Equipment** Goggles, smock, apron, proper gloves, eye wash station, fire extinguisher.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool, dry place away from oxidizing materials and fire hazards. Wash thoroughly after handling.  
Keep container tightly closed when not in use.

**Other Precautions** Read label on container before using. Do not wear contact lenses when working with chemicals.

Practice reasonable care to avoid eye and skin contact and to avoid inhalation of vapors, if generated. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

<b>Revision</b> No. 5	<b>Date</b> 3/31/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
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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. \* Hazardous Materials Industrial Standards. Printed on recycled paper.

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	METHYL SALICYLATE	<p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <table border="1"> <tr> <td>LEAST</td> <td>SLIGHT</td> <td>MODERATE</td> <td>HIGH</td> <td>EXTREME</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> <p>HMIS *</p> <table border="1"> <tr> <td>Health</td> <td>1</td> </tr> <tr> <td>Fire</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	1	Fire	1	Reactivity	0
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<b>Chemical Synonyms</b>	Oil of Wintergreen, Synthetic																	
<b>Formula</b>	HO <sub>6</sub> H <sub>4</sub> COOCH <sub>3</sub>																	
<b>Unit Size</b>	up to 3.785 Lt.																	
<b>C.A.S. No.</b>	119-36-8																	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Methyl Salicylate	100%	None established.

**WARNING! MAY BE HARMFUL IF SWALLOWED.**

**CAUSES SKIN AND EYE IRRITATION.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	Freezing pt. -8.6°C (17°F)	Specific Gravity (H <sub>2</sub> O = 1)	1.180-1.185 at 20.2°/4°C
Boiling Point (°F)	214-224°C (426-435°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	1 mm at 54.0°C	Evaporation Rate (Ether = 1)	Greater than 1.
Vapor Density (Air=1)	5.24		
Solubility in Water	0.08 grams per 100 mL. water at 20°C.		
Appearance & Odor	Colorless, yellowish or reddish, oily liquid; wintergreen odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	101°C (214°F) (C.C.)	<b>Flammable Limits in Air % by Volume</b>	None listed
		<b>Lower</b>	<b>Upper</b>

**Extinguisher Media** Water fog; foam; carbon dioxide (CO<sub>2</sub>); dry chemical.

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Autoignition Temperature: 850°F (454°C).

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Slight fire hazard when exposed to heat or flame; can react with oxidizing materials.

Spontaneous Heating: No.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20