MALLINCKRODT
Material Safety Data Sheet

Methyl Alcohol

PRODUCT IDENTIFICATION:
Synonyms: Wood alcohol; methanol; carbimol
Formula CAS No.: 67-56-1
Molecular Weight: 32.04
Chemical Formula: CH₃OH
Hazardous Ingredients: Methyl alcohol

PRECAUTIONARY MEASURES
DANGER! MAY BE FATAL IF SWALLOWED.
HARMFUL IF INHALED. VAPOR HARMFUL. FLAMMABLE!
MAY CAUSE BLINDNESS. CANNOT BE MADE NONPOISONOUS.
CAUSES IRRITATION.

Keep away from heat, sparks and flame.
Avoid breathing vapor.
Keep container closed.
Use with adequate ventilation.
Wash thoroughly after handling.

EMERGENCY/FIRST AID
In all cases call a physician immediately. If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes.
SEE SECTION 5.

DOT Hazard Class: Flammable Liquid

SECTION 1 Physical Data
Appearance: Clear, colorless liquid.
Odor: Characteristic odor.
Solubility: Miscible with water.
Boiling Point: 64.5°C (148°F)
Melting Point: -98°C (-144°F)
Specific Gravity: 0.8
Vapor Density (Air = 1): 1.1
Vapor Pressure (mm Hg): 97 @ 20°C (68°F)
Evaporation Rate: (BuAc = 1): 5.9

SECTION 2 Fire and Explosion Information
Fire:
Flammable. Flashpoint: 11°C (52°F) (CC).
Autoignition temperature: 365°C (725°F).
Flammable limits, in air, % by volume:
lel = 6.7, uel = 36.

Explosion:
Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Moderate explosion hazard and dangerous fire hazard when exposed to heat, sparks or flames.

Fire Extinguishing Media:
Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special Information:
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Use water spray to blanket fire, cool fire exposed containers, and to flush non-ignited spills or vapors away from fire. Vapors can flow along surfaces to distant ignition source and flash back.

SECTION 3 Reactivity Data
Stability:
Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:
Carbon oxides and formaldehyde may form when heated to decomposition.

Hazardous Polymerization:
This substance does not polymerize.

Incompatibilities:
Strong oxidizing agents such as nitrates, perchlorates or sulfuric acid. Will attack some forms of plastics, rubber, and coatings. May react with metallic aluminium and generate hydrogen gas.

SECTION 4 Leak/Spill Disposal Information
Ventilate area of leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from vapors. Contain and recover liquid when possible. Collect as hazardous waste and atomize in a suitable RCRA approved combustion chamber, or absorb with vermiculite, dry sand, earth or similar material for disposal as hazardous waste in a RCRA approved facility. Do not flush to sewer.

Reportable Quantity (RQ)(CWA/CERCLA): 5000 lbs.
Ensure compliance with local, state and federal regulations.

NFPA Ratings: Health: 1 Flammability: 3 Reactivity: 0

Effective Date: 04-06-89 Supersedes 05-01-86

METHYL ALCOHOL
# Addendum to Material Safety Data Sheet

## REGULATORY STATUS

<table>
<thead>
<tr>
<th>Hazard Categories for SARA</th>
<th>Acute</th>
<th>Chronic</th>
<th>Fire</th>
<th>Pressure</th>
<th>Reactive</th>
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</thead>
<tbody>
<tr>
<td>Section 311/312 Reporting</td>
<td>X</td>
<td>X</td>
<td></td>
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</tbody>
</table>

| Product or Components of Product: | METHYL ALCOHOL (67-56-1) |

<table>
<thead>
<tr>
<th>SARA EHS Sect. 302 RQ (lbs.)</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPQ (lbs.)</td>
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<tr>
<td>SARA Section 313 Chemicals</td>
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<tr>
<td>Name List</td>
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<tr>
<td>Chemical Category</td>
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<tr>
<td>CERCLA Sec. 103 RQ (lbs.)</td>
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<tr>
<td>RCRA Sec. 261.33</td>
<td>U154</td>
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</tbody>
</table>

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**SARA Section 302 EHS RQ:** Reportable Quantity of Extremely Hazardous Substance, listed at 40 CFR 355.

**SARA Section 302 EHS TPQ:** Threshold Planning Quantity of Extremely Hazardous Substance. An asterisk (*) following a Threshold Planning Quantity signifies that if the material is a solid and has a particle size equal to or larger than 100 micrometers, the Threshold Planning Quantity = 10,000 LBS.

**SARA Section 313 Chemicals:** Toxic Substances subject to annual release reporting requirements listed at 40 CFR 372.65.

**CERCLA Sec. 103:** Comprehensive Enviromental Response, Compensation and Liability Act (Superfund). Releases to air, land or water of these hazardous substances which exceed the Reportable Quantity (RQ) must be reported to the National Response Center, (800-424-8802); Listed at 40 CFR 302.4

**RCRA:** Resource Conservation and Reclamation Act. Commercial chemical product wastes designated as acute hazards and toxic under 40 CFR 261.33

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