SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Methyl Alcohol

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261
CHEMTREC Emergency Phone Number: (800) 424-9300

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Methyl Alcohol
Synonyms: methanol, wood alcohol
CAS#: 67-56-1

SECTION 3 — HAZARDS IDENTIFICATION

Clear, colorless liquid. Alcohol odor.
Toxic by ingestion (may cause blindness), inhalation or absorption. Irritating to body tissues.
Avoid body tissue contact.
Flammable liquid.

SECTION 4 — FIRST AID MEASURES

Call a physician, seek medical attention for further treatment, observation and support after first aid.
Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.
Eye: Immediately flush with fresh water for 15 minutes.
External: Wash continuously with fresh water and mild soap for 15 minutes.
Internal: Induce vomiting. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Flammable liquid.
Flash Point: 54 °F Upper 36% Lower: 6% Autoignition Temperature: 725 °F
Dangerous fire risk. When heated to decomposition, emits acrid smoke and irritating fumes.

Fire Fighting Instructions: Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area. Remove all ignition sources and ventilate area. Contain spill with sand or other inert absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #2. Store with alcohols, glycols, amines and amides.
Store in a dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor can.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use ventilation to keep airborne concentrations below exposure limits. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire).
Exposure guidelines: TWA 200 ppm, STEL 250 ppm (OSHA, NIOSH)
SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES
Clear, colorless, mobile, highly polar liquid. Alcohol odor.  
Miscible with water, alcohol and ether.
Formula: CH₃OH  
Formula Weight: 32.05

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Boiling Point</td>
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<tr>
<td>Melting Point</td>
<td>-98 °C</td>
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<tr>
<td>Specific Gravity</td>
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</table>

SECTION 10 — STABILITY AND REACTIVITY
Avoid contact with acids, acid chlorides, acid anhydrides, oxidizers, reducers, alkali metals.
Shelf life: Indefinite.

SECTION 11 — TOXICOLOGICAL INFORMATION
Acute effects: Poison, irritant, GI disturbances  
Chronic effects: N.A.  
Target organs: Eyes, kidneys

<table>
<thead>
<tr>
<th>Species</th>
<th>LD₅₀ (mg/kg)</th>
<th>LC₅₀ (ppm/4h)</th>
<th>LD₅₀ (mg/kg)</th>
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N.A. = Not available, not all health aspects of this substance have been fully investigated.

SECTION 12 — ECOLOGICAL INFORMATION
Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS
Please consult with state and local regulations.
Flinn Suggested Disposal Method 18a is one option.

SECTION 14 — TRANSPORT INFORMATION
Shipping Name: Methyl Alcohol
Hazard Class: 3, Flammable liquid
UN Number: UN1230
N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION
TSCA-listed, EINECS-listed (200-659-6), RCRA code U154.

SECTION 16 — OTHER INFORMATION
This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.

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