

## Methyl Alcohol Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Methyl Alcohol

Signal Word  
**DANGER**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-9992

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Flammable liquids (Category 2). Highly flammable liquid and vapor (H225). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).

Hazard class: Acute toxicity, oral and dermal (Category 3). Toxic if swallowed, in contact with skin or if inhaled (H301+H311+H331). Do not eat, drink or smoke when using this product (P270).

Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2A). Causes skin and serious eye irritation (H315+H319).

Hazard class: Specific target organ toxicity, single exposure (Category 1). Causes damage to organs (H370). Do not breathe mist, vapors or spray (P260).



### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Methyl alcohol	67-56-1	CH <sub>3</sub> OH	32.04	
Synonyms: Methanol, Wood alcohol				

### SECTION 4 — FIRST AID MEASURES

**If exposed or concerned:** Call a POISON CENTER or physician (P307+P311).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists eyes:** Get medical advice or attention (P337+P313). **If on skin or hair:** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353). Remove immediately all contaminated clothing (P361). Wash contaminated clothing before reuse (P363). **If swallowed:** Rinse mouth. Immediately call a POISON CENTER or physician (P301+P310+P330).

### SECTION 5 — FIRE FIGHTING MEASURES

Class IB flammable liquid.

Flash point: 11 °C Flammable limits: Lower: 6.0% Upper 36% Autoignition Temperature: 464 °C

NFPA Code

H-1

F-3

R-0

Dangerous fire risk. When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher (P370+P378).

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## **SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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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.

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## **SECTION 7 — HANDLING AND STORAGE**

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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. Keep container tightly closed (P233). Keep cool (P235). Take precautionary measures against static discharge (P243).

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## **SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Exposure guidelines: PEL/TLV 200 ppm (OSHA/ACGIH); STEL 250 ppm (ACGIH) Readily absorbed through the skin.

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## **SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Clear, colorless, mobile, highly polar liquid. Alcohol odor.	Boiling point: 64.6 °C
	Melting point: -98 °C
Soluble: Miscible with water, alcohol, and ether.	Specific gravity: 0.7914
	Vapor density: 1.1
	Vapor pressure: 410 mmHg

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## **SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with acids, acid chlorides, acid anhydrides, oxidizers, reducers, and alkali metals. Shelf life: Good, if stored properly.

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## **SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Irritation eyes, skin, upper respiratory system; headache, drowsiness, dizziness, nausea, vomiting; visual disturbance, dermatitis	ORL-RAT LD <sub>50</sub> : 5628 mg/kg
	IHL-RAT LC <sub>50</sub> : 64,000 ppm/4H
	SKN-RBT LD <sub>50</sub> : 15,800 mg/kg
Chronic effects: Optic nerve damage (blindness)	
Target organs: Eyes, skin, respiratory system, CNS, GI tract	

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## **SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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## **SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding. Flinn Suggested Disposal Method #18a is one option.

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## **SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Methyl Alcohol. Hazard class: 3, Flammable liquid. UN number: UN1230.

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## **SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (200-659-6), RCRA code U154.

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## **SECTION 16 — OTHER INFORMATION**

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N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

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

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