

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 509.00

Revision Date: November 28, 2012

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.

FLINN AT-A-GLANCE

Health-3

Flammability-3

Reactivity-1

Exposure-1

Storage-3

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician and 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 or External: Immediately flush with fresh water for at least 15 minutes.

Internal: Induce vomiting. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Class IA flammable liquid.

Flash point: 12 °C Flammable limits: Lower: 6% Upper 36% Autoignition Temperature: 385 °C

Dangerous fire risk. When heated to decomposition, emits acrid smoke and irritating fumes.

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

NFPA CODE

None
established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from the area. Remove all ignition sources and ventilate area. Contain the spill with sand or other inert absorbent material and deposit in a 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 a 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: PEL 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

Boiling point: 64.6 °C

Melting point: -98 °C

Specific gravity: 0.7914

Vapor density: 1.1

Vapor pressure: 410 mmHg

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with acids, acid chlorides, acid anhydrides, oxidizers, reducers, and alkali metals.

Shelf life: Indefinite, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Poison, irritant, GI disturbances

Chronic effects: Blindness

Target organs: Eyes, kidneys

ORL-RAT LD₅₀: 5628 mg/kg

IHL-RAT LC₅₀: 64000 ppm/4H

SKN-RBT LD₅₀: 15800 mg/kg

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 review all federal, state and local regulations that may apply before proceeding.

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

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