

SAFETY DATA SHEET



Date Issued : 09/12/2000
MSDS No : 213100
Date-Revised : 11/02/2017
Revision No : 12

Methyl Alcohol

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Methyl Alcohol
PRODUCT DESCRIPTION: Methyl Alcohol
PRODUCT CODE: 213100
PRODUCT FORMULATION NAME: Methyl Alcohol
CHEMICAL FAMILY: Aliphatic Alcohol
MOLECULAR FORMULA: CH₃OH
GENERIC NAME: Methanol, Wood Alcohol
ACTIVE INGREDIENT(S): Methanol

DISTRIBUTOR

AMERICHEM SALES COMPANY LLC
340 NORTH ST.
MASON, MI 48854
Emergency Phone: 517-676-9363

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
CANUTEC (613) 996-6666

COMMENTS: To the best of our knowledge, this Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Dermal), Category 3
Acute Toxicity (Inhalation), Category 3
Acute Toxicity (Oral), Category 3
Target Organ Toxicity (Single exposure), Category 1
Eye Irritation, Category 2A

Physical:

Flammable Liquids, Category 2

GHS LABEL



Flame



Health hazard



Skull and crossbones



Exclamation mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H225: Highly flammable liquid and vapour.
H370: Causes damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H301: Toxic if swallowed.
H331: Toxic if inhaled.
H311: Toxic in contact with skin.
H319: Causes serious eye irritation.

Precautionary statement(s)



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Prevention:

- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
- P270: Do not eat, drink or smoke when using this product.
- P240: Ground and bond container and receiving equipment.
- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233: Keep container tightly closed.
- P243: Take action to prevent static discharges.
- P241: Use explosion-proof [electrical/ventilating/lighting/...] equipment.
- P242: Use non-sparking tools.
- P271: Use only outdoors or in a well-ventilated area.
- P264: Wash ... thoroughly after handling.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
- P307+P311: IF exposed: Call a POISON CENTER or doctor/physician.
- P370+P378: In case of fire: Use ... to extinguish.
- P330: Rinse mouth.
- P361: Take off immediately all contaminated clothing.
- P363: Wash contaminated clothing before reuse.

Storage:

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- P405: Store locked up.

Disposal:

- P501: Dispose of contents/container in accordance with local regulations.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear, Colorless liquid.

IMMEDIATE CONCERNS: CAUTION! May cause eye and skin irritation.

POTENTIAL HEALTH EFFECTS

EYES: Severe irritation and discomfort. Reversible and/or irreversible corneal damage may occur.

SKIN: Moderate irritation and discomfort possible. Defatting of skin, redness and chemical dermatitis possible. Toxic systemic effects from absorption are possible.

INGESTION: Swallowing may cause mucous membrane and gastrointestinal irritation with nausea and abdominal pain. Ingestion of large amounts causes CNS depression and symptoms ranging from drunkenness to unconsciousness, narcosis, coma, respiratory failure, and death. Nausea, vomiting gastrointestinal bleeding, and abdominal pain may occur. Visual system damage may progress from visual blurring to complete blindness. Overexposure may cause nervous system damage.

INHALATION: Dizziness, impaired coordination, headaches and loss of consciousness. Severe respiratory tract irritation. Toxic systemic effects are possible.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: Testing in laboratory animals suggests that this chemical or a component of this product may cause adverse effects on the developing fetus.

MUTAGENICITY: Not Established

ROUTES OF ENTRY: Absorption, Inhalation, Ingestion

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TARGET ORGAN STATEMENT: Central nervous system, Eyes

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Methanol	> 99	67-56-1

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.

SKIN: Wash exposed area with mild soap and water. Get medical attention if irritation develops or persists.

INGESTION: Do not induce vomiting, only if victim is conscious. Systemic toxic effects exceed danger from aspirating into lungs. Get immediate medical help.

INHALATION: Remove victim from area of exposure. If unconscious, give oxygen. Give artificial respiration if not breathing. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use dry chemical, foam, or carbon dioxide.

EXPLOSION HAZARDS: Vapor accumulations may flash and/or explode if ignited. Keep ignition sources, open flames, ect., away from these fumes.

FIRE FIGHTING PROCEDURES: Proper respiratory equipment to protect against the hazardous effects of combustion products is recommended. Water in a straight hose stream may cause fire to spread and should be used as a cooling medium only.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Extinguish all ignition sources and ventilate area. Evacuate all non-essential personnel. Blanket spill with alcohol resistant foam to limit evaporation. Dike area to contain spill and clean up by absorbing on inert absorbent or by other means. Liquid may be flammable even when mixed with water unless heavily diluted (>5:1). Do not flush into sewers or natural waterways.

LARGE SPILL: Contain material as described above and call the local fire or police department for immediate emergency assistance.

7. HANDLING AND STORAGE

HANDLING: Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.

STORAGE: Store unopened containers under cool, dry and ventilated conditions. Keep away from heat, sparks and flame.

STORAGE TEMPERATURE: Ambient

LOADING TEMPERATURE: AMBIENT

STORAGE PRESSURE: AMBIENT

SHELF LIFE: THE SHELF LIFE OF THIS PRODUCT IS UNDETERMINED, BUT MAY BECOME SUSPECT ONE YEAR FROM THE DATE OF PURCHASE.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
	EXPOSURE LIMITS			
Chemical Name	Type		ppm	mg/m³
Methanol	OSHA PEL	TWA	200 ppm ^[1]	260 mg/m3 ^[1]
		STEL	ppm	mg/m3
	ACGIH TLV	TWA	200 ppm	262 mg/m3
		STEL	250 ppm	328 mg/m3
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL
OSHA TABLE COMMENTS: 1. S = Skin				

ENGINEERING CONTROLS: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure guidelines, additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields or goggles when handling this material.

SKIN: To prevent any contact, wear impervious protective clothing such as nitrile or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

RESPIRATORY: Use NIOSH/MSHA approved respirators when vapors or mist concentrations exceed permissible exposure limits.

PROTECTIVE CLOTHING: Chemical resistant boots, apron, etc. as necessary to prevent contamination of clothing and skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)	Solubility in Water	Specific Gravity
Methanol	12.2 TCC	complete	0.792

PHYSICAL STATE: Liquid

ODOR: ether-like odor

APPEARANCE: Clear

COLOR: Colorless

pH: Not Applicable

PERCENT VOLATILE: 100

FLASHPOINT AND METHOD: (55°F) TAG CC

FLAMMABLE LIMITS: 6 to 36

AUTOIGNITION TEMPERATURE: (417°F)

VAPOR PRESSURE: 100 mmHg at 21.2°C

VAPOR DENSITY: 1.1 (Air=1)



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BOILING POINT: (149°F)
SOLUBILITY IN WATER: Complete
EVAPORATION RATE: > 1
SPECIFIC GRAVITY: 0.79 (water=1) at (68°F)
MOLECULAR WEIGHT: 32.04

10. STABILITY AND REACTIVITY

REACTIVITY: No
HAZARDOUS POLYMERIZATION: Will not occur
STABILITY: Stable
CONDITIONS TO AVOID: Exposure to excessive heat, open flames and sparks. Avoid conditions that favor the formation of excessive mists and/or fumes.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon when burned.
INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Methanol	13000 mg/kg (RAT)	20000 mg/kg(RABBIT)	1000 ppm (MONKEY)

DERMAL LD₅₀: 20000 mg/kg (rabbit)

ORAL LD₅₀: 13000 mg/kg (rat)

INHALATION LC₅₀: 1000 ppm (Monkey)

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status
Methanol	not listed	not listed

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: KEEP OUT OF SURFACE WATERS, SEWERS, AND WATERWAYS ENTERING OR LEADING TO SURFACE WATERS. NOTIFY AUTHORITIES IF ANY EXPOSURE TO THE GENERAL PUBLIC OR ENVIRONMENT OCCURS OR IS LIKELY TO OCCUR.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Methanol

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: 1230



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PACKING GROUP: II

LABEL: Flammable Liquid, Poison

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: Methyl Alcohol (CAS No. 67-56-1) - 100%

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Methanol	> 99	67-56-1

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Methanol	> 99	5,000 lbs.

CERCLA RQ: 5000 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Methanol	67-56-1

TSCA REGULATORY: This material or its components are listed in the TSCA inventory.

CALIFORNIA PROPOSITION 65

Chemical Name	Wt.%	Listed
Methanol	> 99	Developmental Toxicity

16. OTHER INFORMATION

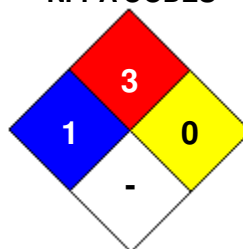
Date-Revised: 11/02/2017

REVISION SUMMARY: This MSDS replaces the 11/02/2017 MSDS.

HMIS RATING

HEALTH	*	1
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		G

NFPA CODES



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