SAFETY DATA SHEET

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

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Section I - Product & Company Identification

Product identifier

Product name : METHANOL
Product form: Liquid
Other means of identification: R01000

Relevant identified uses of the substance or mixture: Windshield washer fluid

Details of the supplier of the safety data sheet

Eaton Chemical, Inc.
4124 NW Riverside Street Riverside, MO 64150
Phone: (816) 741-7985
Fax: (816) 741-0405
Email: custserv@eatonchemical.com

Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300

Section II – Hazards Identification

Classification

Flammable liquid (Category 2)
Serious eye damage/irritation (Category 2A)
Acute toxicity-Oral (Category 3)
Acute toxicity-Dermal (Category 3)
Acute toxicity-Inhalation (Category 3)
Specific target organ toxicity, single exposure (Category 1)

Pictogram



Signal Word

DANGER !

Hazard Statements
Highly flammable liquid and vapor
Causes serious eye irritation
Toxic if swallowed, in contact with skin, or if inhaled.
Causes damage to organs: eyes, central nervous system.

Precautionary Statements – Prevention
Keep away from heat/sparks/open flames/hot surfaces- No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not eat, drink or smoke when using this product.
Use outdoors or in a well-ventilated area.
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing mist/vapors/spray.

Precautionary Statements – Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs
IF ON SKIN: Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water. Call POISON CENTER/doctor if you feel unwell.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call POISON CENTER or doctor/physician.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Rinse mouth
IF EXPOSED: Call a POISON CENTER or doctor/physician.

Precautionary Statements – Storage
Store in a well ventilated place. Keep container tightly closed. Store locked up.

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section III –Composition/Information on ingredients

Mixture

Name	CAS NO.	%
Methanol	67-56-1	99-100

Any concentration shown as a range is to protect confidentiality or is due to process variation.

Section IV – First Aid Measures

First Aid Measures

Inhalation: Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.
Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.
Ingestion: Rinse mouth. Call a POISON CENTER or doctor/physician. Immediate medical attention required.
Skin Contact: Remove contaminated clothing, wash with plenty of water. If skin irritation persists, call a physician.

Most Important Symptoms and Effects, both Acute and Delayed
Symptoms
May cause serious eye irritation.
May cause drowsiness or dizziness.

Indication of any Immediate Medical Attention and Special Treatment Needed
Note to Physicians: Treat symptomatically. Symptoms may be delayed.

Section V – Fire Fighting Measures

Suitable Extinguishing Media
Alcohol resistant foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media: High volume water jet.
Specific Hazards Arising from the Chemical
Carbon oxides
Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH approved and full protective gear.

Section VI –Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures
Personal Precautions Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe area.

Methods and Material for Containment and Cleaning Up
Methods for Containment: Prevent further leakage or spillage if safe to do so. Contain spillage.
Methods for Cleaning Up: Collect with an electrically protected vacuum or by wet-brushing and place in container for disposal. Keep in suitable, closed containers for disposal.

Section VII – Handling & Storage

Precautions for Safe Handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

Section VIII – Exposure Controls/ Personal Protection

Exposure Guidelines:

Chemical Name	CAS #	ACGIH TLV	OSHA PEL	NIOSH TWA
Methanol	67-56-1	200 ppm;160 mg/m3 TWA 250 ppm;327 mg/m3 STEL Skin designation	200 ppm 250 mg/m^3	200 ppm;260 mg/m3 TWA 250 ppm;325 mg/m3 STEL; Skin designation

Engineering Controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Respiratory Protection: Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Eye Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Skin Protection: Prevent contact with shoes and clothing; use rubber apron and overshoes.
Other Protective Equipment: Eye wash stations and emergency showers should be available. The type and degree of personal protective equipment appropriate will depend on the specific work operation. Inspect and replace personal protective equipment at regular intervals; use professional care in their selection, use and care.

Section IX – Physical & Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State	Liquid
Color	Blue

Property	**Values**
pH	No data available
Melting Point/Freezing Point	-97.8 º C (-144.04 º F)
Boiling Point/Boiling Range	64.7 º C (148.46 º F)
Flash Point	12 º C (53.6 º F) TCC
Evaporation Rate	No data available
Flammability (Solid,Gas)	n/a-liquid
Upper Flammable Limits	No data available
Lower Flammable Limits	No data available
Vapor Pressure	16.93 kPa at 25 º C

Vapor Density	No data available
Specific Gravity	0.79-0.81 g/cm^3
Water Solubility	Miscible
Solubility in Other Solvents	No data available
Partition Coefficient	-0.77
Autoignition Temperature	240 ^{o} C (464 ^{o} F)
Decomposition Temperature	No data available
Kinematic Viscosity	No data available
Dynamic Viscosity	0.61 mPa.s
Explosive Properties	Not an Explosive
Oxidizing Properties	No data available
Odor	Mild alcohol odor
Odor Threshold	No data available

Section X – Stability & Reactivity

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None Known

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

Oxidizing agents, bases, reducing agents, acids, alkalis.

Hazardous Decomposition Products

Carbon dioxide, carbon monoxide, oxides of nitrogen.

Section XI - Toxicological information

Information on Likely Routes of Exposure

Product Information

Inhalation: Avoid breathing vapors or mists.
Eye Contact: Causes eye irritation
Skin Contact: Avoid contact with skin.

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Methanol	67-56-1	5,628 mg/kg(Rat)	15,800 mg/kg(Rabbit)	64,000 ppm

Chemical Name	Methanol
Skin corrosion/irritation	No data available
Serious eye damage/irritation	Causes eye irritation
Respiratory or skin sensitization	No data available
Mutagenicity	No data available
Carcinogenicity	No components are listed by IARC, ACGIH, OSHA, NPT
Reproductive toxicity	No data available
Specific target organ toxicity-Single exposure	May cause drowsiness or dizziness
Specific target organ toxicity-repeated exposure	May cause defatting of skin and dermatitis
Aspiration hazard	No data available

Section XII - Ecological information

There is no data available for this product as a whole.

Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates	Crustacea
Methanol	67-56-1	No data available	LC5O Pimephales promelas(fathead minnow) 29,400 mg/L 96 h	EC5O (Daphnia magna (Water flea)): 23,500 mg/l- 24 h	No data available

Persistence and Degradability
No data available
Bioaccumulation
No data available
Mobility
No data available

Section XIII - Disposal considerations

WASTE DISPOSAL METHOD
Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

Section XIV - Transport information

DOT Proper Shipping Description: UN1230 Methanol solution,3, PGII

Section XV - Regulatory information

SARA Title III Section 311/312 (40CFR370): Fire**,** Acute and chronic health hazards.
SARA Title III Section 313 (40CFR372): one listed. Methanol
CERCLA Status (40CFR302): Not listed
RCRA Status(40CFR261.33): Not listed
TSCA Inventory Status: Included
OSHA/NTP/IARC Carcinogen Status: Not listed
Canadian DSL Status: listed

Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:
This material is known to contain one chemical currently listed as carcinogens or reproductive toxins. Methanol

Section XVI - Other information

HMIS ratings:	Health:	3
	Flammability:	3
	Reactivity:	0

Indication of changes: Revision – 2 Corrected classifications
Date Sheet Prepared: 9/1/2017
Other information: Author – EHS Administrator

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The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

END OF SDS