

Material Safety Data Sheet

Material Name: Autoguard Pre-Mix Windshield Washer Fluid

ID: AG-008

*** Section 1 - Chemical Product and Company Identification ***

Part Number: 20113 (6/1 Gal)

Chemical Name: Mixture of Methanol, Water, and Surfactant

Product Use: Windshield Washer Fluid

Manufacturer Information

Warren Industrial Lubricants

Phone: 210-533-2131

434 Riverside Dr.

San Antonio, TX 89210

Distributor/Contact Information

Warren Oil

2340 Hwy 301 North

Dunn, NC

Phone: 800-779-6456

Emergency #800-779-6456

CHEMTREC NO.: Domestic: 800-424-9300

International: 703-527-3887

*** Section 2 - Composition / Information on Ingredients ***

CAS #	Component	Percent
7732-18-5	Water	80-85
67-56-1	Methanol	15-20
Not Available	Blue dye	<1
Not Available	Surfactant	<1

Component Information/Information on Non-Hazardous Components

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

*** Section 3 - Hazards Identification ***

Emergency Overview

Product is a combustible, blue liquid with a faint alcohol odor. This product may be harmful or fatal by inhalation, ingestion, or skin absorption. Ingestion of product may result in blindness. Contact with this product may cause eye, skin and respiratory system irritation. Exposure to high concentrations of vapor may cause central nervous system depression. Extinguish fire with carbon dioxide, dry chemical, foam or water fog.

Hazard Statements

Combustible liquid and vapor. This product is harmful or fatal if it is swallowed. Ingestion of product may result in blindness. Product contains component(s) which may be absorbed through the skin. Liquid and vapor may be irritating to the eyes, skin and respiratory system. Ingestion and inhalation of the product may result in central nervous system depression.

Potential Health Effects: Eyes

This product may cause irritation to the eyes. Vapors may also produce eye irritation.

Potential Health Effects: Skin

This product may be harmful if it is absorbed through the skin. Prolonged and/or repeated skin contact with this product may cause irritation / dermatitis. Prolonged or repeated contact with this product may dry and/or defat the skin.

Potential Health Effects: Ingestion

This product is harmful or fatal if swallowed. Product can cause irritation, vomiting, diarrhea, central nervous system depression, blindness and respiratory failure upon ingestion.

Potential Health Effects: Inhalation

This product is harmful by inhalation. This product is irritating to the respiratory system. Excessive inhalation of this material may cause central nervous system depression, headache, dizziness, nausea and incoordination and loss of consciousness.

HMIS Ratings: Health: 2* Fire: 2 Reactivity: 0 Pers. Prot.: goggles and impervious gloves

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

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*** Section 4 - First Aid Measures ***

First Aid: Eyes

Flush eyes with large amounts of water for 15 minutes. Get medical attention if eye irritation develops or persists.

First Aid: Skin

Wash affected area with mild soap and water. Get medical attention if skin disorder develops.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

First Aid: Inhalation

If affected, remove individual to fresh air. Get medical attention if symptoms develop or persist.

First Aid: Notes to Physician

For overexposure, treat as methanol poisoning.

*** Section 5 - Fire Fighting Measures ***

Flash Point: 115 ° F (48 °C)

Method Used: Not available

Upper Flammable Limit (UFL): Not available

Lower Flammable Limit (LFL): Not available

Auto Ignition: Not available

Flammability Classification: Combustible

Rate of Burning: Not available

General Fire Hazards

Fire and explosion hazards are moderate when this product is exposed to heat or flame. Product may form flammable vapors with air if heated sufficiently. Flame is invisible in daylight.

Hazardous Combustion Products

Combustion may yield smoke, fumes, carbon monoxide, carbon dioxide and other low molecular weight hydrocarbons.

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog. Water may be an ineffective extinguishing medium.

Fire Fighting Equipment/Instructions

Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

NFPA Ratings: Health: 2 Fire: 2 Reactivity: 0 Other:

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Stop the flow of material, if this is without risk.

Clean-Up Procedures

Absorb with non-flammable suitable absorbent such as sand or earth. Dispose of used absorbent in approved waste container.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Special Procedures

Eliminate all ignition sources including flares, flames and electrical sparks. Avoid skin contact and inhalation of vapors during disposal of spills. Surfaces may become slippery after spillage. Do not allow the spilled product to enter public drainage system or open water courses.

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid breathing mists or vapors. Avoid getting this material into contact with your skin and eyes. Use this product with adequate ventilation. Wash thoroughly after handling. Keep away from potential sources of ignition. Do not take internally.

Storage Procedures

Keep this material in a cool, well-ventilated place. Do not store this material in open or unlabeled containers. Store away from strong oxidizers. Eliminate all sources of ignition. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode.

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*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines

A: General Product Information

Attempts should be made to eliminate all contact with skin and eyes, and to limit inhalation exposure.

B: Component Exposure Limits

Methanol (67-56-1)

ACGIH: 200 ppm TWA; 262 mg/m³ TWA
250 ppm STEL; 328 mg/m³ STEL
skin - potential for cutaneous absorption

OSHA: 200 ppm TWA; 260 mg/m³ TWA
250 ppm STEL; 325 mg/m³ STEL
Prevent or reduce skin absorption

NIOSH: 200 ppm TWA; 260 mg/m³ TWA
250 ppm STEL; 325 mg/m³ STEL
Potential for dermal absorption

Engineering Controls

Use in a well-ventilated area. Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear chemical goggles; face shield (if splashing is possible).

Personal Protective Equipment: Skin

Use impervious gloves for prolonged contact.

Personal Protective Equipment: Respiratory

Respiratory protection; not normally required for ambient air concentrations not exceeding the Occupational Exposure Limit.

Personal Protective Equipment: General

Eye wash fountains are recommended.

*** Section 9 - Physical & Chemical Properties ***

Appearance: Blue	Odor: Faint alcohol
Physical State: Liquid	pH: Not applicable
Vapor Pressure: Not available	Vapor Density: Not available
Boiling Point: 148.5 °F (64.7 °C)	Melting Point:
Solubility (H₂O): 100 %	Specific Gravity: 0.791 @ 20 °C (68 °F)
Freezing Point: Unavailable	Percent Volatile: 100%

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable.

Chemical Stability: Conditions to Avoid

Avoid excessive heat and ignition sources.

Incompatibility

This product may react with strong oxidizing agents.

Hazardous Decomposition

Carbon monoxide and other toxic fumes.

Hazardous Polymerization

Hazardous polymerization will not occur.

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*** Section 11 - Toxicological Information ***

Acute Toxicity

A: General Product Information

Methanol can be harmful or fatal by ingestion, inhalation, or skin absorption. Methanol may be irritating to eyes, skin and respiratory system. Toxicity involves central nervous system depression including nausea, vomiting, dizziness, headache, and failing eyesight and visual disturbances, accompanied by metabolic acidosis and deep respirations. Other symptoms of methanol poisoning include roaring in the ears, insomnia, rapid eye movements, tremor, dizziness, loss of coordination, dilated pupils, itching of skin, eczema, and dermatitis. Damage to both central and motor nerves, as well as optic nerve damage or blindness, can be permanent, even following an acute overexposure.

B: Component Analysis - LD50/LC50

Methanol (67-56-1)

Inhalation LC50 Rat : 64000 ppm/4H

Oral LD50 Rat : 5628 mg/kg

Oral LD50 Mouse : 7300 mg/kg

Dermal LD50 Rabbit : 15800 mg/kg

Carcinogenicity

A: General Product Information

No data available on the product as a whole.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Epidemiology

No data available for product.

Neurotoxicity

No data available on this product as a whole. Product may cause central nervous system depression characterized by nausea, dizziness, headache, lack of coordination, loss of consciousness and coma. Methanol can produce permanent damage to the optic nerve and central and peripheral nervous systems, even following a single acute exposure.

Mutagenicity

No mutagenic data was available for the product as a whole. Methanol was inactive in the Ames/Salmonella microsome assay, it was mutagenic in yeast, and it has caused chromosome aberrations in yeast.

Teratogenicity

No data available for this product as a whole. Methanol resulted in decreased fertility, fetotoxicity, abnormalities of musculoskeletal, cardiovascular, endocrine and reproductive systems in rats upon oral and inhalation exposures. Methanol resulted in decreased fertility, fetotoxicity, decreased spermatogenesis, abnormalities of craniofacial, central nervous system and musculoskeletal system in mice upon oral, inhalation and intraperitoneal exposures.

Other Toxicological Information

No other information available.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information is available on ecotoxicity of this product. High concentrations of methanol in fresh or salt waters will result in death or serious toxicity to aquatic ecosystems.

B: Ecotoxicity - Aquatic Toxicity

Methanol (67-56-1)

LC50 (96 hr) rainbow trout (fingerling): 13-68 mg/L. Cond. 12 degrees C.; LC50 (96 hr) fathead minnow (28-29 days old): 29400 mg/L. Cond: 25 degrees C, pH 7.63-7.69, 43.5 mg/L CaCo3.; LC50 (48 hr) trout: 8000 mg/L.

EC50 (30 min) Phosphobacterium phosphoreum: 51,000-320,000 mg/L Microtox test.

Environmental Fate

Keep product out of sewers and waterways. No information available for the product. Methanol, if released to the atmosphere, degrades via reaction with photochemically produced hydroxyl radicals with an approximate half-life of 17.8 days. Physical removal from air can occur via rainfall. If released to water, decomposition via biodegradation is expected to occur. If released to soil, methanol is expected to degrade via biodegradation and be susceptible to significant leaching. Relatively rapid evaporation from dry surfaces is likely to occur.

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*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

User must test waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes. If product is discarded as shipped, it is considered a D001 ignitable waste.

B: Component Waste Numbers

Methanol (67-56-1)

RCRA: waste number U154 (Ignitable waste)

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Consumer Commodity

Hazard Class: ORM-D

UN/NA #: None

Packing Group: None

Required Label(s): No labels required

Additional Info.: This classification is intended for domestic ground transport only.

International Transportation Regulations

NOTE: The data in this section (Section 14) is meant as a guide to the overall classification of the product. However, transportation classification may be subject to change with changes in package size. Consult shipper requirements under I.M.O., I.C.A.O. (I.A.T.A.) and 49 CFR to assure regulatory compliance.

I.A.T.A. Classification: Flammable liquid, n.o.s. (methanol), Class 3, PG 3, UN 1993, Hazard Label: Flammable Liquid

I.M.O. Classification: Dangerous goods in limited quantities of class 3.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

All components of this product are listed on the U.S. EPA TSCA Inventory.

B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Methanol (67-56-1)

SARA 313: form R reporting required for 1.0% de minimis concentration

CERCLA: final RQ = 5000 pounds (2270 kg)

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Methanol	67-56-1	Yes	Yes	Yes	Yes	Yes	Yes

Other Regulations

A: General Product Information

No information available for the product.

B: Component Analysis - Inventory

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Component	CAS #	TSCA	DSL	EINECS
Water	7732-18-5	Yes	Yes	Yes
Methanol	67-56-1	Yes	Yes	Yes

C: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Methanol	67-56-1	1% item 1012 (183)

* * * Section 16 - Other Information * * *

Other Information

This information is, to the best of **Warren Oil's** knowledge and belief, accurate and reliable. However, no representation, warranty, or guarantee is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

Key/Legend

N = No; Y = Yes; ppm - parts per million; mg/m³ = milligrams per cubic meter of air; ACGIH = American Conference of Governmental Industrial Hygienists; OSHA = Occupational Safety and Health Administration; TLV = Threshold Limit Value; NIOSH = National Institute of Occupational Safety and Health; NTP = National Toxicology Program; IARC = International Agency for Research on Cancer; EPA = Environmental Protection Agency.

MSDS History

Preparation Information: New MSDS 12/04/1998.

Revision Section 2: 03/11/1999.

Contact:

Contact Phone:

This is the end of MSDS # AG-008