



SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION

Chemical Product and Company Identification

01-01-2015

Product Trade Name:

Product Name: **Windshield Washer Antifreeze**

General identification or generic identification: **Methanol**

MSDS # 10006

Manufactured and Distributed by:

Phone: 623-979-1192 Fax: 623-979-9058

Industrial Recycling Solutions

2610 West Holly Street #C

Emergency phone: Chemtrec 800-424-9300

Phoenix, AZ 85009-2600

Mailing Address: P O Box 878, Peoria, AZ 85380-0878

SECTION II INGREDIANTS

Ingredient	CAS #	Composition %	PEL/TLV
Methanol	67-56-1	100%	OSHA PEL – 200ppm ACGIN TLV – 200ppm (skin) ACGIH STEL – 250 ppm

SECTION III HAZARDS IDENTIFICATION

Flammable, clear, colorless (maybe blue) liquid. Vapors are heavier than air and may travel along the ground to remote ignition sources. Vapors may ignite explosively.

Excessive breathing of vapors can cause irritation of the respiratory tract and dizziness.

Swallowing can cause blindness and death.

Causes irritation to the skin, eyes, and mucous membranes.

Keep away from heat, sparks, and open flames. Avoid breathing vapors. Avoid contact with skin, eyes, and clothing. Wear protective goggles, gloves and impervious clothing when handling this product. Wash thoroughly after handling.

HAZARD RATING SYSTEM

HMIS: HEALTH; 3 FLAMMABILITY: 3 REACTIVITY: 0 PERSONAL PROTECTION: --

**SECTION III
CONTINUED**

POTENTIAL HEALTH EFFECT

EYES: Liquid can cause severe irritation, even corneal burns. High concentrations of vapor may cause irritation.

SKIN: Can cause moderate irritation, de-fatting cracking and dermatitis. Prolonged or repeated exposure to liquid can cause de-fatting and fissured dermatitis. Persons with pre-existing skin disorders may be particularly susceptible. Skin absorption may contribute to overall exposure.

INGESTION: May cause headache, dizziness, weakness, euphoria, drowsiness, shortness of breath, vomiting, and in-coordination. Can also cause blindness and death. **CANNOT BE MADE NON-POISONOUS.**

INHALATION: Excessive inhalation of vapors can cause irritation of the respiratory tract, nausea, shortness of breath and headache.

CHRONIC EFFECTS/CARCINOGENICITY: This product is not listed in IARC Monographs, the NTP Seventh Annual Report or the ACGIH YLVs as a carcinogen or potential carcinogen. OSHA does not regulate it as a carcinogen.

**SECTION IV
FIRST AID MEASURES**

ENSURE PHYSICIAN HAS ACCESS TO THIS MSDS

EYE CONTACT: Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get medical attention. **Do not use chemical antidote.**

SKIN CONTACT: Wash exposed area with lots of soap and water. Remove contaminated clothing and launder before reuse.

INGESTION: Immediately drink two glasses of water. Induce vomiting by giving IPECAC syrup or by sticking finger to back of throat. Never give anything by mouth to an unconscious person. Get immediate. Medical attention.

INHALATION: If affected, move to fresh air. If breathing has stopped, give artificial respiration and call physician.

SECTION V FIRE FIGHTING MEASURES

FLASH POINT:	52F (11C)	FLASH POINT: TCC
UPPER EXPLOSION LIMIT:	36.5%	
LOWER EXPLOSION LIMIT:	6.7%	
AUTOIGNITION TEMPERATURE:	Unavailable	
SENSITIVITY/SPARKS:	Unknown	
SENSITIVITY/STATIC ELECTRICITY:	Unknown	

EXTINGUISH MEDIA: Dry chemical, carbon dioxide, and water spray or alcohol foam.

FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and may travel along the ground to remote ignition sources. Vapors may ignite explosively. All 5 gallon and larger size containers should be properly bonded and grounded.

FIRE-FIGHTING EQUIPMENT: Keep personal removed from upwind. Wear full protective clothing and self-contained breathing apparatus with full face-piece. Cool containers with water. Water may be ineffective against large spills of flammable liquids. Decomposition/combustion products may include carbon monoxide and carbon dioxide.

SECTION VI ACCIDENTAL RELEASE MEASURES

Eliminate all open flames, heat, sparks and other ignition sources from the area of spill. Use only explosion-proof equipment. Persons not wearing protective equipment should be excluded from the area of the spill until clean up has been completed. Dike area of spill with sand or dirt to prevent spreading. Pump liquid to salvage tank or other container. Remaining liquid may be absorbed on vermiculite or other absorbent material and shoveled into containers.

EPA has designated methanol as a hazardous substance. Spills may be required to be reported to the National Response Center. (1.800.424.8802)

SECTION VII HANDLING AND STORAGE

HANDLING: Containers should be properly bonded and grounded before transferring contents to other containers. Use non-sparking tools and explosion-proof equipment when handling flammable liquids.

STORAGE: Keep in closed or covered containers away from heat, sparks and open flames when not in use. Do not store near oxidizing materials. Store in cool dry place with adequate ventilation.

SECTION VIII
Exposure controls/personal protection

RESPIRATORY PROTECTION: A NIOSH/MSHA approved supplied air respirator or canister-type respirator with organic vapor cartridge is recommended if exposure exceeds established exposure limits or level of overexposure.

SKIN PROTECTION: wear protective gloves such as Neoprene.

EYE PROTECTION: Chemical splash goggles in compliance with OSHA regulations and full face-shield are advised.

OTHER PROTECTION: Impervious clothing and boots recommended.

ENGINEERING CONTROLS: Provide sufficient ventilation to maintain exposure below established exposure limits.

SECTION IX
PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Colorless liquid @ 77F (25C) (maybe blue)
ODOR THRESHOLD:	Unavailable
SPECIFIC GRAVITY:	-0.79
VAPOR PRESSURE	Unavailable
VAPOR DENSITY (Air = 1)	1.11
INITIAL BOILING POINT:	148F (64.6C)
EVAPORATION RATE (Butyl Acetate = 1)	Slower
SOLUBILITY IN WATER:	100% @68F (20C)
BULK DENSITY:	Not applicable
VOLATILE %:	100%
pH:	Unavailable

SECTION X STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

INCOMPATIBILITIES: Avoid contact with strong acids oxidizers and alkali metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may form carbon monoxide carbon dioxide.

HAZARDOUS POLYMERIZATION: Cannot occur.

SECTION XI DISPOSAL CONSIDERATIONS

Incineration is recommended disposal method for all chemical waste such as this product. Material collected on absorbent materials may be deposited in a landfill in accordance with all applicable local, state and federal regulations. This product, if disposed of, is considered a hazardous waste (U154) under current RCRA regulations.

SECTION XII TRANSPORT INFORMATION

DOT SHIPPING DESCRIPTION: Methanol, 3 (flammable liquid), UN 1230, PG II

SECTION XIII REGULATORY INFORMATION

CERCLA: Methanol has been designated as a hazardous substance with an RQ of 5000#

SARA 313 INFORMATION: SARA requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 472. This information must be included in all MSDSs that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are: Methanol; CAS 67-56-1; 100%

Prop 65-1 warning: This product contains a chemical(s) known to the State of California to cause cancer.

SECTION XIII OTHER INFORMATION

Industrial Recycling Solutions Inc. makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the

safety, toxicity, suitability, handling and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by Industrial Recycling Solutions Inc. as to the effects of such use. The results to be obtained or the safety and toxicity of this product, nor does Industrial Recycling Solutions Inc. assume liability arising out of the use by others of this product referred to herein.

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