



***** Windshield Washer Fluid, Winter Blend *****

SECTION 1 * CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL IDENTITY:

PRODUCT NAME: 2071
GENERAL OR GENETIC ID: WINDSHIELD WASHER FLUID (WINTER)

COMPANY:

EMERALD SERVICES, INC.
1825 ALEXANDER AVENUE
TACOMA, WA. 98421
TECHNICAL ASSISTANCE: 206-832-3225

EMERGENCY TELEPHONE NUMBER:
CHEMTREC
1-800-424-9300

SECTION 2 * COMPOSITION \ INGREDIENT INFORMATION

MATERIAL:	CAS#	PERCENT (BY VOLUME)	TLV:
Methanol	67-56-1	30-35%	200.00ppm
Water	7732-18-5	none	q.s.

*This product contains no OSHA, NPT, or IARC listed carcinogens.
This product contains a dye with a proprietary formula.

SECTION 3 * HAZARDOUS IDENTIFICATION

Emergency Identification: Thin liquid that causes irritation.

Eyes: Irritation

Skin: Irritation

Inhalation (Respiratory Tract): Irritation

Ingestion (Gastrointestinal Tract): Irritation

Chronic (Cancer) Effect: Material contains no cancer causing components.

Teratology (Birth Defects): Material contains no components that cause birth defects.

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MATERIAL SAFETY DATA SHEET



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SECTION 4 * FIRST AID MEASURES

Eyes:	Flush immediately with running water for fifteen minutes. See a physician.
Skin:	Flush with water. See a physician if necessary.
Inhalation (Respiratory Tract):	Remove to fresh air. See a physician if necessary.
Ingestion (Gastrointestinal Tract):	Dilute stomach contents with water, if conscious. See a physician.

SECTION 5 * FIRE FIGHTING MEASURES

Flash Point:	84 deg F
Flammable Limits:	None
Autoignition Temperature:	None
Extinguishing Media:	Foam, Carbon Dioxide, or Dry Chemical.
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus operating in pressure-demand mode.
Unusual Fire and Explosion Hazards:	Vapors are heavier than air and may travel along the ground. This could cause ignition from a distant source.
NFPA Rating	Health – 2, Flammability – 3, Reactivity - 0

SECTION 6 * ACCIDENTAL RELEASE MEASURES

Small Spill:	Mop up, and discard appropriately.
Large Spill:	Dike with inert absorbent. Material may be pumped back into container, or neutralized for disposal.

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SECTION 7 * HANDLING AND STORAGE

Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Do not ingest. Keep out of the reach of children.

Storage: Store product in ambient temperature. Avoid extreme freezing or high heat temperatures.

SECTION 8 * EXPOSURE CONTROLS \ PERSONAL PROTECTION

Eye Protection: Safety goggles

Skin Protection: Latex, Natural rubber, Neoprene, Nitrile gloves are recommended.

Respiratory Protection: Not required. If needed in an enclosed area, use NIOSH-approved mask or respirator to keep concentrations of components below their TLV's.

Ventilation: Normal room air circulation.
- For exposure control levels such as Threshold Limit Values (TLV's) please refer to section #2.

SECTION 9 * PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Thin Liquid

Vapor Pressure: 19.8 mm Hg

Evaporation Rate (Bu0ac=1): 0.33

Solubility in Water: Complete

Melting Point: <32 deg F

Odor: Mild

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Vapor Density: 958.8

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Boiling Point: >212 deg F

Specific Gravity: 0.935

pH: 4.9

SECTION 10 * STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Avoid extremes in temperature.

Incompatibility (materials to avoid): Strong reducers, Alkalies

Hazardous Decomposition or Byproduct: None

Hazardous Polymerization: Will not occur

SECTION 11 * TOXICOLOGY INFORMATION

* To obtain toxicity data (e.g., LD50, LC50) for the ingredients listed in Section #2, please phone Technical Services at (800) 554-8265.

SECTION 12 * ECOLOGICAL INFORMATION

* To obtain specific ecotoxicity or environmental fate data, please phone: Technical Services at (800) 554-8265.

SECTION 13 * DISPOSAL INFORMATION

Disposal Method: Dispose of in accordance with all applicable local state, county and federal laws.

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SECTION 14 * TRANSPORT INFORMATION

DOT Information – 49 CFR 172.101 DOT Description:

FLAMMABLE LIQUID N.O.S. (Methanol), 3, UN1993, PG-III

SECTION 15 * REGULATORY INFORMATION

Some of the components of this product may be on the TSCA list.

SECTION 16 * OTHER INFORMATION

* The information accumulated herein is believed to be accurate, but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances.

HEALTH	2
FLAMMABILITY	3
REACTIVITY	0
PERSONAL PROTECTION	J

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