

ATT: MIKE

**Unifide Industries L.L.C.  
Material Safety Data Sheet**

\*WINDSHIELD WASHER CONCENTRATE 12816, 55816, 05816\*

Rev. 01/01/05

**SECTION 1  
IDENTIFICATION**

**MANUFACTURER:** Unifide Industries L.L.C.

**ADDRESS:** 121 Highway 36, West Long Branch, NJ 07764

**EMERGENCY TELEPHONE:** 732-728-1700, Chemtree 1-800-424-9300

**CHEMICAL NAME & SYNONYMS:** Windshield Washer Antifreeze

**CHEMICAL FAMILY:** Methanol Solution

**FORMULA:** See Section 2

**CAS REGISTRY NUMBER:** Not Applicable for blended product

**DOT SHIPPING CLASSIFICATION:** UN 1230

**PRODUCT NUMBER:** 12816, 55816, 05816

**SECTION 2  
HAZARDOUS INGREDIENTS**

<b>MATERIAL</b>	<b>CAS #</b>	<b>%</b>	<b>TLV (Units)</b>
Methanol	67-56-1	60	200 ppm
Water	7732-18-5	40	Not Applicable
Additives & Dye	9016-45-9	0.01	Not Applicable

**SECTION 3  
PHYSICAL DATA**

**BOILING RANGE:** @760 mm Hg. 163°F

**FREEZING POINT:** -70°F

**SPECIFIC GRAVITY:** 0.93

**VAPOR DENSITY (air = 1):** 1.1

**SOLUBILITY IN WATER:** Complete

**% VOLATILE BY VOLUME:** Greater than 60%

**EVAPORATION RATE:** 1

**APPEARANCE AND ODOR:** Blue color, alcoholic odor

**"WINDSHIELD WASHER CONCENTRATE 12816, 55816, 05816"**  
**SECTION 4**  
**FIRE AND EXPOSION HAZARD DATA**

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**FLASH POINT:** 69°F - TCC

**AUTO IGNITION TEMPERATURE:** Not Applicable

**FLAMMABLE LIMITS IN AIR:** LEL = 6.0 UEL = 36.5 (calculated)

**EXTINGUISHING MEDIA:** Water, alcohol foam, dry chemical or CO2 for small Fires

**SPECIAL FIRE FIGHTING PROCEDURE:** A solid stream of water directed into hot burning liquid can cause frothing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Vapors are heavier than air and may flow along surfaces to ignite distant sources and flash back. Firefighters should use self-contained breathing equipment.

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**SECTION 5**  
**REACTIVITY DATA**

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**STABILITY:** This material is stable.

**INCOMPATIBILITY:** Keep away from strong oxidizing agents, excessive heat, and ignition sources. Incompatible with oxidizers, chromic anhydride, lead perchlorate and chloric acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Occurs from heat and reaction with above stated materials.

**HAZARDOUS POLYMERIZATION:** Will not occur

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**SECTION 6**  
**HEALTH HAZARD DATA**

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**THRESHOLD LIMIT VALUE:** Not available for mixture. See Section 2 for individual components.

**EFFECTS OF OVEREXPOSURE:** Irritating to eyes and skin. Prolonged inhalation of vapors causes dizziness, nausea, visual impairment, respiratory failure, muscular incoordination and narcosis. Liver damage has resulted from prolonged or repeated inhalation of vapors.

**EYE CONTACT:** Irritation may result. Liquid or vapor in high concentration may cause tearing or burning sensation.

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<b>SKIN:</b>	May be mildly irritating to skin. Repeated contact may cause drying, brittleness or cracking.
<b>INHALATION:</b>	Exposure to high vapor concentration may cause nausea, dizziness, visual impairment, respiratory failure, muscular incoordination and narcosis.
<b>INGESTION:</b>	Poisonous if swallowed. May affect the optic nerve resulting in blindness. May cause mental sluggishness, nausea, and vomiting leading to severe illness, possibly death (in humans). Practically non-toxic to animals.
<b>EMERGENCY AND FIRST AID PROCEDURES:</b>	
<b>EYES:</b>	Flush with plenty of water for at least 15 minutes. If irritation persists, obtain medical assistance.
<b>SKIN:</b>	Flush with plenty of water, wash with mild soap if available. If irritation persists, obtain medical assistance.
<b>INHALATION:</b>	Remove to fresh air, give artificial respiration if breathing has stopped. Obtain medical assistance.
<b>INGESTION:</b>	If swallowed give two glasses of water or milk if conscious, then induce vomiting. Seek medical assistance immediately.

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**SECTION 7  
SPILL OR LEAK PROCEDURE**

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**STEPS TO BE TAKEN IN CASE THE MATERIAL IS SPILLED OR RELEASED:**

Wear suitable protective equipment. Large spills should be contained and collected. Small spills can be collected or may be absorbed with appropriate liquid absorbing materials. All spill response and disposal should be carried out in accordance with federal, state and local requirements.

**WASTE DISPOSAL METHOD:** Consult with local sewer, municipal, state and/or federal agencies to determine appropriate current disposal options.

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**SECTION 8  
SPECIAL PROTECTIVE INFORMATION**

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<b>RESPIRATORY PROTECTION:</b>	Provide adequate ventilation with local exhaust system
<b>VENTILATION:</b>	Mechanical or other
<b>PROTECTIVE GLOVES:</b>	Rubber gloves recommended
<b>EYE PROTECTION:</b>	Safety glasses or goggles
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Wear chemical resistant pants and jacket

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**SECTION 9  
SPECIAL PRECAUTIONS**

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Do not breath mist or spray. Follow good work/hygiene practices. Provide safety shower and wash in immediate area. Workers should wash with soap and water before eating, smoking or using toilet facilities. Launder contaminated clothing before re-use.