

**MATERIAL SAFETY DATA SHEET**  
**ALR WINDSHIELD WASH (CONCENTRATE)**  
**ADVANCED LIQUID RECYCLING, INC.**

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**General Information**

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Company Name: ADVANCED LIQUID RECYCLING, INC.

Company Street: 14 WEST MAIN STREET

Company City: MERIDEN

Company State: CT

Company Country: US

Company Zip Code: 06451

Company Emergency Phone #: (203) 238-6771

Company Phone #: (203) 238-6771

Emailed 4/13/2007

Date MSDS Prepared: 9/24/01

Safety Data Review Date: 2/11/05

Hazard Ratings: HEALTH 1 FIRE 3 REACTIVITY 0

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**Ingredients/Identity Information**

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Ingredient Sequence Number: 1

Ingredient: METHANOL (METHYL ALCOHOL)

CAS Number: 67-56-1

Percent: 100

OSHA PEL: 200 ppm

ACGIH STEL: 250 ppm

NIOSH TWA: 200 ppm

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**Physical/Chemical Characteristics**

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Appearance and Odor: BLUE LIQUID WITH CHARACTERISTIC ALCOHOL ODOR

Boiling Point: 148°-212°F

Vapor Pressure (mm Hg @ 70° F): 98

Vapor Density (Air=1): 1.1

Specific Gravity: 0.792

Evaporation Rate and Ref: (BU AC = 1): 2.1

Solubility in Water: COMPLETE

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**Fire and Explosion Hazard Data**

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Flash Point: 52°F

Flash Point Method: TCC

Lower Explosive Limit: 5.5

Upper Explosive Limit: 36.5

Extinguishing Media: CO<sub>2</sub>, DRY CHEMICAL, FOAM - NFPA CLASS B EXTINGUISHERS.

Special Fire Fighting Procedures: WEAR A NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE EQUIPMENT. COOL FIRE-EXPOSED CONTAINERS WITH WATER. METHANOL BURNS WITH A CLEAN CLEAR FLAME ALMOST INVISIBLE IN DAYLIGHT. STAY UPWIND AND ISOLATE AREA.

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### **Reactivity Data**

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Stable: YES

Conditions to Avoid (Stability): HEAT, SPARKS, FLAME, ELECTRIC EQUIPMENT & OTHER IGNITION SOURCES.

Materials to Avoid: OXIDIZING MATERIALS.

Hazardous Decomposition Products: CO, CO<sub>2</sub> & UNIDENTIFIED ORGANICS.

Will Hazardous Polymerization Occur? NO

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### **Health Hazard Data**

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Route of Entry - Inhalation: IRRITATING TO EYES & MUCOUS MEMBRANES.

Route of Entry - Skin: MAY CAUSE IRRITATION & DERMATITIS. CAN BE ABSORBED. ACUTE OVEREXPOSURE CAN CAUSE SERIOUS NERVOUS SYSTEM AND TARGET ORGAN DAMAGE

Route of Entry - Ingestion: CAN BE FATAL OR CAUSE BLINDNESS. CAN CAUSE IRREVERSIBLE NERVOUS SYSTEM DAMAGE.

Carcinogen? NO

Signs/Symptoms of Overexposure: IRRITATION, BLINDNESS, NARCOSIS, HEADACHE, NAUSEA, VOMITING, DEFATTING, DRYING.

Emergency/First Aid Procedures:

Eyes: FLUSH WITH WATER FOR 15 MINUTES.

Skin: WASH WITH SOAP & WATER.

Inhalation: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED.

Ingestion: INDUCE VOMITING IF CONSCIOUS. AFTER VOMITING, GIVE 2 TEASPOONFULS BAKING SODA IN WATER.

OBTAIN MEDICAL ATTENTION IN ALL CASES.

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**Precautions for Safe Handling and Use**

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Steps if Material Released/Spill: REMOVE IGNITION SOURCES. WEAR APPROPRIATE RESPIRATOR & OTHER PROTECTIVE CLOTHING. ATTEMPT TO CONTAIN RELEASE. REMOVE WITH VACUUM TRUCKS/PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH NON-COMBUSTIBLE ABSORBENT & PLACE IN DRUMS FOR DISPOSAL.

Waste Disposal Method: DISPOSE OF IN AN APPROPRIATE DISPOSAL FACILITY IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

Precautions-Handling/Storing: KEEP CONTAINER CLOSED. DON'T STORE NEAR HEAT, SPARKS, ELECTRIC EQUIPMENT, FLAME, OR OXIDIZING MATERIALS. DO NOT STORE ABOVE 120°F.

Other Precautions: VAPORS ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW PLACES. GROUND ALL CONTAINERS WHEN TRANSFERRING LIQUID. USE NON-SPARKING TOOLS.

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**Control Measures and PPE**

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Respiratory Protection: WEAR A NIOSH APPROVED POSITIVE PRESSURE SCBA IF THERE IS A CHANCE OF OVEREXPOSURE; OTHERWISE, WEAR AN APPROVED RESPIRATOR.

Ventilation: EXPLOSION-PROOF VENTILATION TO MAINTAIN VAPOR CONCENTRATION BELOW RECOMMENDED LIMITS.

Protective Gloves: CHEMICAL RESISTANT

Eye Protection: GOGGLES OR FACE SHIELD

Other Protective Equipment: IMPERVIOUS GLOVES, APRON, BOOTS

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**Label Data**

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Label Required: YES

Common Name: ALR WINDSHIELD WASH (CONCENTRATE)

DOT Proper Shipping Name: Methanol (100%), 3, UN1230, PG II

Special Hazard Precautions: INGESTION MAY CAUSE BLINDNESS, NERVOUS SYSTEM DAMAGE, AND/OR DEATH. IRRITATING TO EYES, SKIN, AND RESPIRATORY TRACT.

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**Disclaimer**

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