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IN CASE OF TRANSPORTATION EMERGENCY, CONTACT CHEM-TEL, INC. 800-255-3924

MATERIAL SAFETY DATA SHEET

1. PRODUCT INFORMATION

TRADE NAME: GLASS SCIENCE ULTRA CLEAN™
PRODUCT DESCRIPTION: Automotive Windshield Washer Fluid – Concentrate
RCRA HAZARD CLASS: (If discarded) IGNITABLE WASTE
EPA PRIORITY POLLUTANTS YES (Methanol)
SARA TITLE III (Sec. 313) Hazardous Material YES (Methanol)
REVISION DATE: 04/18/05

2. COMPOSITION / INGREDIENTS INFORMATION

HAZARDOUS INGREDIENTS

<u>MATERIAL or COMPONENT</u>	<u>CAS #</u>	<u>TLV (UNITS)</u>	<u>APPROX.%(WGT)</u>
Methanol	000064-56-1	OSHA/PEL 200PPM (Skin) ACG1H/TLV 200PPM (Skin),	75%
Ethoxylated Alkylalcohol	34398-01-1	N/A	5%

3. HAZARDOUS IDENTIFICATION

FIRE HAZARD: Flammable
HEALTH HAZARD: May cause eye irritation if contacted. Vapors may cause drowsiness and/or dizziness. Poison – may cause blindness if swallowed.

4. FIRST AID MEASURES

EYE CONTACT: Flush with water for 15 minutes. Get medical attention if irritation develops.
INHALATION: If drowsiness and/or dizziness develop, remove to fresh air.

5. FIRE FIGHTING MEASURES

Use Carbon Dioxide or Dry Chemical on small fires. Use foam (ALCOHOL, POLYMER or ORDINARY) and water spray for large fires. Use self-contained breathing apparatus and protective clothing. Keep fire exposed containers cool with water. See section 9. "PHYSICAL DATA" for Flammable Limits. Thermal decomposition will produce toxic oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Remove from sources of ignition and dilute area with water. Mop or soak up spillages in absorbent material to collect and contain for disposal. Dispose of in accordance with Local Authority Regulations.

7. HANDLING AND STORAGE

HANDLING: Local exhaust to maintain levels below TLV. Use only in accordance with label instructions. Avoid contact with eyes.
STORAGE: Store in well-ventilated areas at temperatures below 120°F and away from ignition source

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use designated respiratory equipment when TLV limits are exceeded. Exposure to vapors and mists may be moderately irritating to the respiratory tract. Symptoms of exposure may include dizziness, loss of coordination, shortness of breath, coughing, wheezing, choking, chest pain, impairment of lung function and narcosis. Methanol is a central nervous system depressant which can damage the optic nerve resulting in visual impairment or blindness.

EYE PROTECTION: Eye protection is recommended when transferring bulk quantities. Exposure to vapors mists or liquid may cause moderate to severe eye irritation. Symptoms of exposure may include tearing, redness, a stinging sensation, and blurred vision. Exposure to liquid may cause corneal damage and/or visual impairment.

INGESTION: Ingestion may cause moderate irritation to the gastrointestinal tract. Symptoms of exposure may include nausea, vomiting, diarrhea, and abdominal pain. Ingestion of this product may cause irreversible visual impairment or blindness. Fatal doses of less than 30 ml have been reported. Average fatal dose is 100-250 ml.

SKIN PROTECTION: Use rubber gloves when transferring bulk quantities. Methanol is readily absorbed through the skin producing toxic affects similar to those described for inhalation.

9. PHYSICAL DATA (Product)

BOILING POINT, °C	65°C (149°F) - Methanol
MELTING POINT, °C	N/A – Not determined
APPEARANCE @ 25°C	Clear, Red Liquid
FLASH POINT, °C (TAG OPEN CUP, ASTM D-1310)	11.1°C (52°F) - Methanol
AUTO-IGNITION TEMPERATURE, °C	N/A – Not determined
EXPLOSIVE LIMITS, VOL% IN AIR	N/A – Not determined
SOLUBILITY IN WATER @ 25°C	SOLUBLE
VAPOUR DENSITY, (AIR=1)	1.11 - Methanol
EVAPORATION RATE (BUTYL ACETATE=1)	5 - Methanol
SPECIFIC GRAVITY	0.85 g/ml
VOLATILES % BY VOLUME	80% (Solvent)
FLAMMABLE LIMITS IN AIR, % BY VOLUME:	6% (Lower) 36% (Upper)

10. STABILITY AND REACTIVITY

Chemical reactivity: Stable under normal conditions. Hazardous polymerization will not occur.

Materials / conditions to avoid: Do not mix with other chemicals. Avoid excessive heat, sparks and flames.

11. TOXICOLOGICAL INFORMATION

See Section 8: Exposure Controls/Personal Protection Data

See Section 2: Hazardous Ingredients For TLV limits.

12. ECOLOGICAL INFORMATION

Organic - Biodegradable

13. DISPOSAL CONSIDERATIONS

Dilute with water. Consult Local Authority for regulations regarding waste disposal. Remove all ignition sources.

BULK QUANTITIES: Vapors, which are heavier than air, can be concentrate4d at ground level. Wearing recommended protective equipment and clothing, dike spill and pick up bulk of liquid using non-sparking tools or absorb liquid in sand or a non-combustible absorbent. Place in approved containers for recover, disposal, or satellite accumulation, For large spills, vapor may be dispersed by the use of a water for; the run-off must be controlled and disposed of properly.

14. TRANSPORT INFORMATION

IN PACKAGING SIZES 32 OZ OR SMALLER: Proper shipping name: Consumer Commodity ORM-D

BULK QUANTITIES:

Proper shipping name: Flammable Liquid (Methanol)

Packing group: II

UN Number: 1993

IMDG class:

IMDG code:

RID/ADR:

ICAO/IATA class:

Hazard warning sign: F

Marine pollutant: NO

15. REGULATORY INFORMATION

CLASSIFICATION:

RISK PHRASES: DANGER: Poison. Maybe fatal or cause blindness if swallowed. Vapor harmful. FLAMMABLE: EYE IRRITANT.

SAFETY PHRASES: Keep out of reach of children. Do not expose to flame or store at temperatures above 120°F. Contains methanol – cannot be made non-poisonous. Avoid prolong breathing of vapors.

FIRST AID PHRASES: In case of accident by inhalation: remove casualty to fresh air and keep at rest.
If contacted with eyes, flush with water for 15 minutes and see physician if irritation develops
If swallowed, get immediate medical care and induce vomiting if recommended by medical personnel or poison control center.

16. OTHER INFORMATION

STATUTORY INSTRUMENTS: CHIP 2:1994 - Health & Safety at Work Act 1974

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