

# UNELKO CORPORATION

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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® RAIN CLEAR® LIQUID  
PRODUCT DESCRIPTION: Rain & Soil Repellent Coating for Exterior of Vehicular Glass  
REVISION DATE: 08/12/09

### 2. COMPOSITION / INGREDIENTS INFORMATION

#### HAZARDOUS INGREDIENTS

<u>MATERIAL or COMPONENT</u>	<u>CAS #</u>	<u>EEC#</u>	<u>TLV (UNITS)</u>	<u>APPROX.%(WGT)</u>
Ethyl Alcohol	64-17-5	200-578-6	1000 PPM	69% - 75%
Isopropyl Alcohol	67-63-0	200-661-7	400 PPM	9% - 15%
Monoethyl Sulfate*	540-82-9	Not Determined		0.5% - 4%

(\* = Sulfuric acid, mono ethyl ester)

### 3. HAZARDOUS IDENTIFICATION

**FIRE HAZARD:** Flammable  
**HEALTH HAZARD:** May cause eye irritation if contacted. Vapors may cause drowsiness and/or dizziness.

### 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.

### 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.  
**EYE PROTECTION:** Eye protection is recommended when transferring bulk quantities.  
**SKIN PROTECTION:** Use rubber gloves when transferring bulk quantities.

## 9. PHYSICAL DATA (Product)

BOILING POINT, °C	78°C
MELTING POINT, °C	N/A – Not determined
APPEARANCE @ 25°C	Clear, Colorless Liquid
FLASH POINT, °C (TAG OPEN CUP, ASTM D-1310)	19°C
AUTO-IGNITION TEMPERATURE, °C	N/A – Not determined
EXPLOSIVE LIMITS, VOL% IN AIR	N/A – Not determined
SOLUBILITY IN WATER @ 25°C	SOLUBLE
VAPOUR PRESSURE @ 25°C, mm HG	33
VAPOUR DENSITY, (AIR=1)	>1
EVAPORATION RATE (BUTYL ACETATE=1)	1.5
SPECIFIC GRAVITY	N/A – Not determined
RELATIVE DENSITY OF VAPOUR/AIR-MIXTURE AT 20°C, (AIR=1)	N/A – Not determined
VOLATILES % BY VOLUME	91% (Solvent)

## 10. STABILITY AND REACTIVITY

Chemical reactivity: Stable under normal conditions. Hazardous polymerization will not occur.  
Decomposition products: None known  
Materials / conditions to avoid: Do not mix with other chemicals. Avoid excessive heat, sparks and flames.

## 11. TOXICOLOGICAL INFORMATION

Not applicable – Not determined  
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.

## 14. TRANSPORT INFORMATION

Proper shipping name: Flammable Liquid (Alcohol)	Packing group: II
UN Number: 1993	IMDG class:
IMDG code:	RID/ADR:
ICAO/IATA class:	Hazard warning sign: F
Marine pollutant: NO	
In packaging sizes 32 fl oz or smaller, proper shipping name: Consumer Commodity ORM-D	

## 15. REGULATORY INFORMATION

CLASSIFICATION:	
RISK PHRASES:	Caution: Flammable – Eye Irritant
SAFETY PHRASES:	Keep out of reach of children. Do not expose to flame or store at temperatures above 120°F
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

## 16. OTHER INFORMATION

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