



## MATERIAL SAFETY DATA SHEET

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### 1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES  
 24 Hour INFOTRAC (US and CANADA): **800-535-5053**

**PRODUCT NAME**  
 UNITED 305 KRYSTAL KLEAR

**USE/DESCRIPTION**  
 Windshield Washer Fluid

**REVISION DATE**  
 March 23, 2012

#### HMIS III HEALTH (0 = Maximum Safety) \*3

Always follow Label Directions and Cautions.

* Chronic	2 Moderate
4 Severe	1 Slight
3 Serious	0 Minimal

See Hazards Identification Section of this MSDS for more detailed information.

#### PHYSICAL HAZARD (0 = Maximum Safety) 0

Susceptible to Release of Energy.

4 May detonate-vacate area if materials are exposed to fire.	2 Violent chemical change possible-use hose stream from distance
3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers.	1 Unstable if heated-use precaution.
	0 Normally stable.

#### FLAMMABILITY (0 = Maximum Safety) 3

Susceptibility of Material to Burning.

4 Extremely flammable.	1 Must be preheated to burn.
3 Ignites at normal temperature.	0 Will not burn.
2 Ignites when moderately heated.	

**PERSONAL PROTECTION: X**



consult your supervisor

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Methanol	67-56-1	60-100	200 ppm 262mg/m3	200 ppm 260mg/m3	NE	NE

ACGIH (TLV—STEL) - 250 ppm

### 3. HAZARDS IDENTIFICATION

**Eyes:** May cause mild irritation.

**Skin:** May cause mild irritation. Overexposure through skin absorption may add significantly to the overall toxic effect.

**Inhalation:** Vapors in high concentrations may irritate mucous membranes. May cause drowsiness and dizziness.

**Ingestion:** Overexposure may be harmful and fatal or cause blindness if swallowed.

### 4. FIRST AID MEASURES

**Eyes:** Flush with plenty of tepid water for at least 15 minutes, lifting upper and lower lids occasionally. Call a physician or poison center immediately.

**Skin:** Flush with plenty water. Remove clothing and wash before reuse. If irritation persists, call a physician or poison control center.

**Inhalation:** Remove to fresh air immediately. Give oxygen or CPR if needed. Call a physician or poison center immediately.

**If Swallowed:** INDUCE VOMITING only under the direction of a physician. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

### 5. FIRE FIGHTING MEASURES

**Flash Point (TCC):** 51°F/10.5°C

**Explosive Limits:** Lower (LEL): 6.0% Upper (UEL): 36.0%

**Flame Projection (Aerosol):** N/A

**Hazardous Products of Combustion:** When strongly heated, as in a fire, this product may produce oxides of carbon.

**Fire and Explosion Hazards:** Heat may cause containers to pressurize and burst, greatly increasing the fire hazard. Methanol burns with an invisible flame. Take care entering areas where combustion is suspected. Flammable liquid and vapor. Vapors can travel to a source of ignition and flash back.

**Extinguishing Media:** Dry chemical, Carbon dioxide, Foam, Water fog. Water may reduce intensity of burning – but may also spread the burning mixture. Water spray should be used to cool containers only.

**Fire Fighting Instructions:** As in any fire, Firefighters should wear full protective equipment and MSHA/NIOSH-approved self-contained breathing apparatus. Use water stream or mist to keep intact containers cool.

### 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:** Add dry material to contain. Wearing recommended protective equipment, and using explosion proof equipment, remove bulk of liquid; add dry material to absorb remaining liquid; pick up and containerize for product recovery or disposal. Flush area with water; collect rinsate for disposal or sewer as appropriate. Dike spill and absorb on non-flammable sorbent.

**Large Spills:** Provide ventilation. Eliminate all sources of ignition. Contain spilled liquid.

## 7. HANDLING AND STORAGE

Keep containers tightly closed when not in use. Store in a cool, dry, secure area away from sources of ignition. Avoid breathing vapor, fumes or mist. Take precautionary measures against static discharge. Do not store near food or water sources. Storage area should be ventilated if possible. Keep out of reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses with side shields or goggles are recommended.

**Skin:** Chemical resistant gloves are recommended. .

**Respiratory:** If TLV is exceeded, use a NIOSH/MSHA approved respirator for organic vapors.

**Engineering Controls:** Provide adequate ventilation and local exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

**Other Protective Clothing or Equipment:** Long shirt sleeves are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 148°F/64°C **Specific Gravity:** 0.796 (H<sub>2</sub>O=1) **Vapor Pressure:** 96.0@ 25°C/77°F **Melting Point:** -98°C/-144°F  
**Vapor Density:** 1.1 (Air=1) **Evaporation Rate:** 2.10 (n-butyl=1) **Solubility in Water:** Complete **pH:** ND  
**Appearance and Odor:** Clear blue liquid with strong, sweet odor.

## 10. STABILITY AND REACTIVITY

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition:** When strongly heated, as in a fire, this product may produce oxides of carbon. Combustion can lead to the formation of formaldehyde and/or formic acid.

**Chemical Stability:** Stable

**Incompatibility:** Avoid strong oxidizing materials. Keep separate from alkalis. Keep away from acids.

## 11. TOXICOLOGICAL INFORMATION

**Carcinogenicity (NTP/IARC/OSHA):** None

**California Proposition 65:** Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? None

## 12. ECOLOGICAL INFORMATION

ND

## 13. DISPOSAL CONSIDERATIONS

Consult your local, state, provincial, and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

## 14. TRANSPORT INFORMATION

**DOT:** Methanol, 3, UN 1230, PG II

**TDG:** Available upon request

**UN:** Availabale upon request

## 15. REGULATORY INFORMATION

**VOC (Volatile Organic Compounds):** ND

**TSCA (Toxic Substances Control Act):** Listed

**SARA Title III Section 302 EHS:** None

**SARA Title III Section 311/312:** Fire Hazard, Acute Health Hazard, Chronic Health Hazard

**SARA Title III Section 313 Toxic Chemicals:** Methanol CAS # 67-56-1 – 6.6 lbs per gallon of United product.

**WHMIS Classification:**

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

## 16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.

**UNITED 305 KRYSTAL KLEAR**

**PREPARED BY:** Sandy Kopacz