

9/26/14



# Safety Data Sheet

Issue Date: 17-Nov-2014

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Version 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name**

United 305 KRYSTAL KLEAR

KRYSTAL KLEAR Windshield Washer Fluid

**Other means of identification**

**SDS #**

UNITED-305

**UN/ID No**

UN1230

**Recommended use of the chemical and restrictions on use**

**Recommended Use**

Windshield washer fluid.

**Uses Advised Against**

For industrial and institutional use only.

**Details of the supplier of the safety data sheet**

**Supplier Address**

United Laboratories, Inc.  
320 37th Avenue  
St. Charles, IL 60174  
www.unitedlabsinc.com  
www.unitedlabsinc.ca

**Emergency Telephone Number**

**Company Phone Number**

800-323-2594 (to reorder)

**Emergency Telephone (24 hr)**

INFOTRAC 1-800-535-5053 (North America)

1-352-323-3500 (International)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear blue liquid

**Physical State** Liquid

**Odor** Strong, sweet odor

**Classification**

Acute toxicity - Oral	Category 3
Acute toxicity - Dermal	Category 3
Acute toxicity - Inhalation (Vapors)	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 3
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 1
Flammable Liquids	Category 2

**Signal Word**

Danger

**Hazard Statements**

Toxic if swallowed

Toxic in contact with skin

Toxic if inhaled

Causes serious eye irritation

Causes damage to organs

**Hazard Statements**

Highly flammable liquid and vapor.



**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 Use only outdoors or in a well-ventilated area.  
 Do not breathe dust/fume/gas/mist/vapors/spray.  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.  
 Keep container tightly closed.  
 Ground/bond container and receiving equipment.  
 Use explosion-proof equipment.  
 Use only non-sparking tools.  
 Take precautionary measures against static discharge.  
 Keep cool.

**Precautionary Statements - Response**

IF exposed: Call a POISON CENTER or doctor/physician.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention.  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 Call a poison center or doctor/physician if you feel unwell.  
 Wash contaminated clothing before reuse.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 Call a POISON CENTER or doctor/physician.  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 Rinse mouth.  
 IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction.

**Precautionary Statements - Storage**

Store locked up.  
 Store in a well-ventilated place. Keep container tightly closed.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

**Other Hazards**

Harmful to aquatic life with long lasting effects.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Methanol	67-56-1	60-100

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

**4. FIRST-AID MEASURES**

**First Aid Measures**

**General Advice**  
**First Aid Measures**

IF exposed: Call a POISON CENTER or doctor/physician.

<b>Eye Contact</b>	Flush with plenty of tepid water for at least 15 minutes, lifting upper and lower lids occasionally. Call a physician or poison control center immediately.
<b>Skin Contact</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If irritation persists, call a physician or poison control center.
<b>Inhalation</b>	Remove to fresh air immediately. Give oxygen or CPR if needed. Call a physician or poison control center immediately.
<b>Ingestion</b>	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.

**Most important symptoms and effects**

<b>Symptoms</b>	Causes serious eye irritation. Causes damage to organs. Vapors in high concentrations may irritate the mucous membranes. May cause drowsiness and dizziness. May cause blindness if swallowed. Toxic if inhaled. Toxic if swallowed. Toxic in contact with skin.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Dry chemical. Carbon dioxide (CO2). Foam. Water spray (fog).

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Water may reduce intensity of burning, but may also spread the burning mixture. Heat may cause containers to pressurize and burst, greatly increasing the fire hazard. Methanol burns with an invisible flame. Flammable liquid and vapor.

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

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Take care entering areas where combustion is suspected. Vapors can travel to a source of ignition and flash back. Use water stream or mist to keep intact containers cool.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	Use personal protective equipment as required.
<b>Environmental Precautions</b>	See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Clean-Up</b>	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 restate for disposal or sewer as appropriate. Dike spill and absorb on non-flammable sorbent.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on Safe Handling**

Wash face, hands, and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion proof equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Wear protective gloves/protective clothing and eye/face protection. Do not store near food or water sources.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions**

Store locked up. Keep containers tightly closed when not in use. Store in a cool, dry, secure area away from sources of ignition. Storage area should be ventilated if possible. Keep out of the reach of children.

**Incompatible Materials**

Avoid strong oxidizing materials. Keep separate from alkalis. Keep away from acids.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methanol 67-56-1	STEL: 250 ppm TWA: 200 ppm S*	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m <sup>3</sup> (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m <sup>3</sup> (vacated) S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 250 ppm STEL: 325 mg/m <sup>3</sup>

**Appropriate engineering controls**

**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.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**

Safety glasses with side shields or goggles are recommended.

**Skin and Body Protection**

Chemical resistant gloves are recommended. Long shirt sleeves are recommended.

**Respiratory Protection**

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

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Strong, sweet odor
<b>Appearance</b>	Clear blue liquid		

Color	Clear blue	Odor Threshold	Not determined
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	Not determined		
Melting Point/Freezing Point	-98 °C / -144 °F		
Boiling Point/Boiling Range	64 °C / 148 °F		
Flash Point	10.5 °C / 51 °F	TCC	
Evaporation Rate	2.10	(n-Butyl=1)	
Flammability (Solid, Gas)	Liquid-Not applicable		
Upper Flammability Limits	36.0%		
Lower Flammability Limit	6.0%		
Vapor Pressure	96.0	@ 25 °C (77 °F)	
Vapor Density	1.1	(Air=1)	
Specific Gravity	0.796	(Water = 1)	
Water Solubility	Completely soluble		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		
VOC Content	90-100		

**10. STABILITY AND REACTIVITY**

**Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

Under normal conditions of storage and use, hazardous polymerization will not occur.

**Conditions to Avoid**

Excessive heat and fire. Incompatible Materials.

**Incompatible Materials**

Avoid strong oxidizing materials. Keep separate from alkalis. Keep away from acids.

**Hazardous Decomposition Products**

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.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

**Eye Contact**

Causes serious eye irritation.

**Skin Contact**

Causes skin irritation. Skin absorption may add significantly to the overall toxic effect.

**Inhalation**

Toxic if inhaled. Irritating to the respiratory system. May cause drowsiness and dizziness.

**Ingestion**

Toxic if swallowed. May be fatal or cause blindness if swallowed. Overexposure may cause nausea, diarrhea, and/or vomiting. May cause headache.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methanol 67-56-1	= 5628 mg/kg ( Rat )	= 15800 mg/kg ( Rabbit )	= 83.2 mg/L ( Rat ) 4 h = 64000 ppm ( Rat ) 4 h

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**STOT - single exposure** Causes damage to organs.

**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Not determined.

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**US EPA Waste Number**

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Methanol 67-56-1		Included in waste stream: F039		U154

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Methanol 67-56-1	Toxic Ignitable

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**  
 UN/ID No UN1230  
 Proper Shipping Name Methanol  
 Hazard Class 3  
 Subsidiary Hazard Class None  
 Packing Group II

**IATA**  
 UN/ID No UN1230  
 Proper Shipping Name Methanol  
 Hazard Class 3  
 Subsidiary Hazard Class 6.1  
 Packing Group II

**IMDG**  
 UN/ID No UN1230  
 Proper Shipping Name Methanol  
 Hazard Class 3  
 Subsidiary Hazard Class 6.1  
 Packing Group II  
 Marine Pollutant This material may meet the definition of a marine pollutant

**15. REGULATORY INFORMATION**

**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Methanol	Present	X		Present		Present	X	Present	X	X

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

**US Federal Regulations**

**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Methanol 67-56-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

**SARA 311/312 Hazard Categories**

Acute Health Hazard Yes  
 Chronic Health Hazard Yes  
 Fire Hazard Yes  
 Sudden Release of Pressure Hazard No

Reactive Hazard No

**SARA 313**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Methanol - 67-56-1	67-56-1	60-100	1.0

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Methanol - 67-56-1	Developmental

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Methanol 67-56-1	X	X	X

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	Not determined	Not determined	Not determined	Not determined
<b>HMIS</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	3*	3	0	X

Chronic Hazard Star Legend \* = Chronic Health Hazard

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 Revision Note: New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet