1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name
United 305 KRYSAL KLEAR

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 Mild odor

Classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - Oral</td>
<td>Category 3</td>
</tr>
<tr>
<td>Acute toxicity - Dermal</td>
<td>Category 3</td>
</tr>
<tr>
<td>Acute toxicity - Inhalation</td>
<td>Category 3</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Category 1</td>
</tr>
<tr>
<td>Flammable Liquids</td>
<td>Category 2</td>
</tr>
</tbody>
</table>

Signal Word
Danger

Hazard Statements
Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled. Causes damage to organs. 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. Keep cool.

Precautionary Statements - Disposal
Dispose of contents/container in accordance to local, national and regional regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>60-100</td>
</tr>
</tbody>
</table>

**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**

**Eye Contact**
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.

**Skin Contact**
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.

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

**Ingestion**
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**

**Symptoms**
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. May cause skin irritation.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician**
Treat symptomatically. Effect may be delayed. Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to this product.
5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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. Vapors are heavier than air and may travel to a source of ignition and flash back. Flammable liquid and vapor.

Hazardous Combustion Products Vapor forms an explosive mixture with air.

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 if there is liquid methanol or if vapor levels are above the threshold limit value. Flames may be invisible during the day. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If possible firefighters should control runoff water to prevent environmental contamination.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Environmental Precautions Do not flush to sewer. Avoid dispersal of spilled material or runoff and prevent contact with soil and entry into drains, sewers or waterways.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so. Cover drains and contain spill. Recover liquid where possible, or dilute with water or use alcohol-resistant foam to reduce fire hazard. Clean contaminated area with soap and water.

Methods for Clean-Up Do not use combustible material such as sawdust. Collect product using non-sparking tools and place into approved container for proper disposal. Observe material restrictions. Clean contaminated area with soap and water.

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. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Use explosion proof equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Wear protective gloves/protective clothing and eye/face protection.

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 away from oxidizers, acids and bases. Keep out of the reach of children.

Incompatible Materials Avoid strong oxidizing materials, strong mineral or organic acids, strong bases and halogenated hydrocarbons. May be corrosive to lead, aluminum, magnesium and platinum.
# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol 67-56-1</td>
<td>STEL: 250 ppm</td>
<td>TWA: 200 ppm</td>
<td>IDLH: 6000 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 200 ppm</td>
<td>TWA: 250 mg/m³</td>
<td>TWA: 200 ppm</td>
</tr>
<tr>
<td></td>
<td>Skin designation</td>
<td>TWA: 260 mg/m³</td>
<td>TWA: 200 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL: 250 ppm</td>
<td>TWA: 200 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL: 325 mg/m³</td>
<td>TWA: 200 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Skin designation</td>
<td>TWA: 200 ppm</td>
</tr>
</tbody>
</table>

### Appropriate engineering controls

**Engineering Controls**

Use only with adequate ventilation to keep worker exposure to airborne contaminants below any recommended or statutory limits. Use explosion-proof ventilation equipment. Refer to Section 7 of this SDS.

**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. Gloves should be impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period.

**Respiratory Protection**

Always use an approved respirator when vapor/aerosols are generated. If the respirator is the sole means of protection, use a full-face supplied respirator. Use respirators and components tested and approved under appropriate government standards as NIOSH.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Facilities storing or using this material should be equipped with an eyewash station and safety shower. Preventative skin protection is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear blue liquid</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Clear blue</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Mild odor</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td><strong>Property</strong></td>
<td><strong>Values</strong></td>
<td><strong>Remarks • Method</strong></td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>-98 °C / -144 °F</td>
<td>TCC (n-BuAc=1)</td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>64.5 °C / 148.1 °F</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>10.5 °C / 51 °F</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>5.9</td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Liquid-Not applicable</td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>36.5%</td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>6.0%</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>97.0 mm Hg @ 20°C</td>
<td>(Air=1)</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>1.11</td>
<td>(Water = 1)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.791</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Completely soluble</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>-0.82/-0.66</td>
<td>n-octanol/water</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>455°C (851°F)</td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
Vapors may form explosive mixture with air. Reacts with strong oxidizing agents and halogenated hydrocarbons. Avoid excessive heat and sources of ignition. The substance decomposes on burning and may produce irritating fumes.

Conditions to Avoid
Excessive heat and fire. Incompatible Materials. Avoid confined areas.

Incompatible Materials
Avoid contact with strong oxidizing agents, strong mineral or organic acids, strong bases and halogenated hydrocarbons. Contact with these may cause a violent or explosive reaction. May be corrosive to lead, aluminum, magnesium and platinum.

Hazardous Decomposition Products
Thermal decomposition products include oxides of carbon, formic acid, formaldehyde and other toxic fumes and gases.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Causes eye irritation.

Skin Contact May causes skin irritation.

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

Ingestion Toxic if swallowed.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol 67-56-1</td>
<td>1187-2769 mg/kg (Rat)</td>
<td>17100 mg/kg (Rabbit)</td>
<td>85.26 mg/L (Rat) 4 h</td>
</tr>
</tbody>
</table>

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, NTP and ACGIH.

STOT - single exposure May cause drowsiness or dizziness.

STOT – repeated exposure Material is slowly eliminated from the body; therefore, it can have cumulative toxicity effects with repeated exposure. Methanol is a potential hazard to the fetus.

General information Handle in accordance with good industrial hygiene and safety practice.
12. ECOLOGICAL INFORMATION

Ecotoxicity
Methanol is dangerous to aquatic life in high concentrations. A study of methanol’s toxic effects on sewage sludge bacteria reported little effect on digestion at 0.1% while 0.5% methanol retarded digestion. Methanol will be broken down into carbon dioxide and water.

Persistence/Degradability
Methanol is readily biodegradable in water.

Bioaccumulation
Methanol is not expected to bioaccumulate as the partition coefficient is <1.

Mobility
Mobility in soil is high.

Other Adverse Effects
Do not allow material to run into surface waters, waste water or soil.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes
Disposal of surplus and non-recyclable products should be in accordance with applicable regional, national and local laws and regulations. Empty containers or liners may retain some product residues.

Contaminated Packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

US EPA Waste Number

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>RCRA U-Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol 67-56-1</td>
<td>Methanol 67-56-1</td>
</tr>
<tr>
<td></td>
<td>Waste Number: U154 Ignitable waste</td>
</tr>
</tbody>
</table>

California Hazardous Waste Status

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol 67-56-1</td>
<td>Toxic Ignitable</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

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

DOT

<table>
<thead>
<tr>
<th>UN/ID No</th>
<th>Proper Shipping Name</th>
<th>Hazard Class</th>
<th>Subsidiary Hazard Class</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN1230</td>
<td>Methanol</td>
<td>3</td>
<td>None</td>
<td>II</td>
</tr>
</tbody>
</table>
15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>Present</td>
<td>X</td>
<td></td>
<td>Present</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>2268 kg</td>
</tr>
<tr>
<td>67-56-1</td>
<td>5000 lbs</td>
</tr>
</tbody>
</table>

SARA 302/304 Extremely Hazardous Substance and Emergency Planning & Notification

This product does not exceed the threshold (de minimis) reporting levels established by these sections of Title III of SARA.

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol - 67-56-1</td>
<td>67-56-1</td>
<td>60-100</td>
<td>1.0</td>
</tr>
</tbody>
</table>
CAA (Clean Air Act)
Methanol (67-56-1) is listed as a Hazardous Air Pollutants designated in CAA Section 112 (b).

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant or hazardous substances 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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol - 67-56-1</td>
<td>Developmental</td>
</tr>
</tbody>
</table>

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol 67-56-1</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

NFPA
Health Hazards | Flammability | Instability | Special Hazards
---|---|---|---
1 | 3 | 0 | Not determined

HMIS
Health Hazards | Flammability | Physical Hazards | Personal Protection | Personal Protection
---|---|---|---|---
2* | 3 | 0 | H |

Chronic Hazard Star Legend
* = Chronic Health Hazard

Issue Date: 19-Nov-2018
Revision Date: 05-Sept-2023
Revision Note: Date update only

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