

# Windshield Deicer Concentrate

## Safety Data Sheet



### SECTION 1: Product and company identification

Product name : Windshield Deicer Concentrate  
Use of the substance/mixture : Cleaner  
Product code : 0470  
Distributed By : CleaningChemicalSupply.com  
P.O. Box 670925  
Marietta GA 30066 - USA  
Phone (888) 678-7489  
Emergency number : Chemtec: (800) 424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flam. Liq. 2 H225  
Acute Tox. 3 (Oral) H301  
Acute Tox. 3 (Dermal) H311  
Acute Tox. 3 (Inhalation:dust,mist) H331  
Repr. 1B H360  
Lact. H362  
STOT SE 1 H370

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US)



GHS02

GHS06

GHS08

Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: Highly flammable liquid and vapor  
Toxic if swallowed, in contact with skin or if inhaled  
May damage fertility or the unborn child  
May cause harm to breast-fed children  
Causes damage to organs (central nervous system, blood, eyes)

Precautionary statements (GHS-US)

: Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Keep away from heat, open flames, sparks. - No smoking  
Keep container tightly closed  
Ground/Bond container and receiving equipment  
Use explosion-proof electrical, lighting equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Do not breathe fume, mist, spray, vapors  
Avoid breathing fume, mist, spray, vapors  
Avoid contact during pregnancy/while nursing  
Wash thoroughly after handling  
Do not eat, drink or smoke when using this product  
Use only outdoors or in a well-ventilated area  
Wear eye protection, protective clothing, protective gloves  
If swallowed: Immediately call a doctor, a POISON CENTER  
If on skin: Wash with plenty of water  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
If inhaled: Remove person to fresh air and keep comfortable for breathing  
If exposed: Call a poison center/doctor  
If exposed or concerned: Get medical advice/attention  
Call a doctor, a POISON CENTER  
Call a doctor, a POISON CENTER if you feel unwell  
Specific treatment (see First aid measures on this label)  
Specific treatment (see First aid measures on this label)  
Rinse mouth  
Take off immediately all contaminated clothing and wash it before reuse  
In case of fire: Use dry extinguishing powder, alcohol resistant foam, carbon dioxide (CO2) to extinguish  
Store in a well-ventilated place. Keep container tightly closed  
Store in a well-ventilated place. Keep cool

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Store locked up

Dispose of contents/container to comply with local/regional/national/international regulations.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

Full text of H-phrases: see section 16

### 3.2. Mixtures

| Name     | Product identifier | %     | GHS-US classification   |
|----------|--------------------|-------|---|
| methanol | (CAS-No.) 67-56-1  | 55-70 | Flam. Liq. 2, H225<br>Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Inhalation), H331<br>Lact., H362<br>Repr. 1B, H360<br>STOT SE 1, H370 |

A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : The effects may be delayed. Keep watching the victim. show this sheet where possible. Get medical advice/attention if you feel unwell. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
- First-aid measures after inhalation : Remove the victim into fresh air. Give oxygen or artificial respiration if necessary. Prompt action is critical. Get immediate medical advice/attention.
- First-aid measures after skin contact : Take off contaminated clothing and wash it before reuse. Clothing that has become saturated with the product must be removed immediately because the product is absorbed through the skin. Wash immediately with lots of water (15 minutes)/shower. Get medical advice/attention.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Get immediate medical advice/attention.
- First-aid measures after ingestion : Do NOT induce vomiting. Get immediate medical advice/attention. Prompt action is critical.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects : Toxic if swallowed, in contact with skin or if inhaled. May damage the unborn child. May cause harm to breast-fed children. Causes damage to organs (central nervous system, blood).
- Symptoms/effects after inhalation : Toxic if inhaled.
- Symptoms/effects after skin contact : Toxic in contact with skin.
- Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating.
- Symptoms/effects after ingestion : Toxic if swallowed.

### 4.3. Indication of any immediate medical attention and special treatment needed

This material contains methanol, which, when ingested, has cards acidosis, ocular toxicity ranging from diminished visual capacity to complete blindness, and death. Symptoms may be delayed.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical powder. Carbon dioxide. Alcohol-resistant foam.
- Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapor. A methanol fire may not be visible to the naked eye. The vapors are denser than air and may travel along the ground. Distance ignition possible.
- Explosion hazard : vapors may travel long distances along ground before igniting/flashing back to vapor source.
- Reactivity : Upon combustion: CO and CO2 are formed.

### 5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Cool tanks/drums with water spray/remove them into safety.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Eliminate every possible source of ignition. Use special care to avoid static electric charges.

##### 6.1.1. For non-emergency personnel

Protective equipment : Protective goggles. Gloves. Protective clothing.

Emergency procedures : Evacuate unnecessary personnel. No naked flames or sparks. Only qualified personnel equipped with suitable protective equipment may intervene.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment : Contain released substance, pump into suitable containers. Eliminate every possible source of ignition.

Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation. Take up liquid spill into inert absorbent material, e.g.: sand/earth. Clean contaminated surfaces with a soap solution.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling : Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Handle and open the container with care. Keep away from sources of ignition - No smoking. Take precautions against electrostatic charges. Use only outdoors or in a well-ventilated area. Remove contaminated clothing immediately. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof equipment. Do not breathe fume, mist, spray.

Hygiene measures : Wash thoroughly after handling. Wash contaminated clothing before reuse.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep container tightly closed. Keep only in the original container in a cool, well ventilated place away from: sparks, open flames, excessive heat. Avoid aluminum.

Incompatible products : Oxidizing agent. reactive metals (Al, K, Zn ...).

Incompatible materials : Sources of ignition. Heat sources.

Storage area : Store away from heat. Store in a cool area. Store in a dry area. Store in a well-ventilated place. Keep locked up.

Special rules on packaging : Keep only in original container. meet the legal requirements.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| methanol (67-56-1) |                                     |                                      |
|--------------------|-------------------------------------|--------------------------------------|
| ACGIH              | ACGIH TWA (ppm)                     | 200 ppm                              |
| ACGIH              | ACGIH STEL (ppm)                    | 250 ppm                              |
| ACGIH              | Remark (ACGIH)                      | Headache; eye dam; dizziness; nausea |
| OSHA               | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 260 mg/m <sup>3</sup>                |
| OSHA               | OSHA PEL (TWA) (ppm)                | 200 ppm                              |

#### 8.2. Exposure controls

Appropriate engineering controls : Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

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Personal protective equipment

: Use appropriate personal protective equipment when risk assessment indicates this is necessary.  
Gloves. Protective clothing. Protective goggles. Safety glasses.



Other information

: Do not eat, drink or smoke when using this product.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|   |                             |
|---|-----------------------------|
| Physical state                              | : Liquid                    |
| Appearance                                  | : clear. dark blue. Liquid. |
| Odor  | : Methanol                  |
| Odor threshold                              | : No data available         |
| pH  | : 7 – 9                     |
| Melting point                               | : No data available         |
| Freezing point                              | : No data available         |
| Boiling point                               | : 149 °F Methanol           |
| Flash point                                 | : < 70 °F Closed Cup        |
| Relative evaporation rate (butyl acetate=1) | : No data available         |
| Flammability (solid, gas)                   | : No data available         |
| Explosion limits                            | : No data available         |
| Explosive properties                        | : No data available         |
| Oxidizing properties                        | : No data available         |
| Vapor pressure                              | : No data available         |
| Relative density                            | : No data available         |
| Relative vapor density at 20 °C             | : No data available         |
| Specific gravity / density                  | : 0.875 g/ml                |
| Solubility                                  | : Soluble in water.         |
| Log Pow                                     | : No data available         |
| Log Kow                                     | : No data available         |
| Auto-ignition temperature                   | : No data available         |
| Decomposition temperature                   | : No data available         |
| Viscosity                                   | : No data available         |
| Viscosity, kinematic                        | : No data available         |
| Viscosity, dynamic                          | : No data available         |
| VOC content                                 | : < 70 %                    |

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Upon combustion: CO and CO<sub>2</sub> are formed.

#### 10.2. Chemical stability

Highly flammable liquid and vapor. Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

#### 10.4. Conditions to avoid

Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

Oxidizing agents. reactive metals (Al, K, Zn ...).

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation:dust,mist: Toxic if inhaled.

##### methanol (67-56-1)

|                    |             |
|--------------------|-------------|
| LD50 dermal rabbit | 12800 mg/kg |
|--------------------|-------------|

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| methanol (67-56-1)   |                           |
|----------------------|---------------------------|
| ATE CLP (oral)       | 100.000 mg/kg body weight |
| ATE CLP (dermal)     | 300.000 mg/kg body weight |
| ATE CLP (vapors)     | 128.200 mg/l/4h           |
| ATE CLP (dust, mist) | 0.500 mg/l/4h             |

|  |  |
|--|--|
| Skin corrosion/irritation                          | : Not classified<br>pH: 7 - 9  |
| Serious eye damage/irritation                      | : Not classified<br>pH: 7 - 9  |
| Respiratory or skin sensitization                  | : Not classified   |
| Germ cell mutagenicity                             | : Not classified   |
| Carcinogenicity                                    | : Not classified   |
| Reproductive toxicity                              | : May damage fertility or the unborn child. May cause harm to breast-fed children. |
| Specific target organ toxicity – single exposure   | : Causes damage to organs (central nervous system, blood, eyes).                   |
| Specific target organ toxicity – repeated exposure | : Not classified   |
| Aspiration hazard                                  | : Not classified   |
| Symptoms/effects after inhalation                  | : Toxic if inhaled.  |
| Symptoms/effects after skin contact                | : Toxic in contact with skin.  |
| Symptoms/effects after eye contact                 | : Direct contact with the eyes is likely to be irritating.                         |
| Symptoms/effects after ingestion                   | : Toxic if swallowed.  |
| Likely routes of exposure                          | : Skin and eye contact; Inhalation; Ingestion                                      |

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to comply with local/regional/national regulations.

## SECTION 14: Transport information

### Department of Transportation (DOT)

|                                |   |
|--------------------------------|---|
| Transport document description | : UN1230 Methanol, 3, II  |
| UN-No.(DOT)                    | : UN1230  |
| Proper Shipping Name (DOT)     | : Methanol  |
| Class (DOT)                    | : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120 |
| Hazard labels (DOT)            | : 3 - Flammable liquid  |



|  |   |
|--|---|
| Packing group (DOT)  | : II - Medium Danger  |
| DOT Packaging Non Bulk (49 CFR 173.xxx)                          | : 202   |
| DOT Packaging Bulk (49 CFR 173.xxx)                              | : 242   |
| DOT Symbols  | : D - Proper shipping name for domestic use only, or to and from Canada |
| DOT Special Provisions (49 CFR 172.102)                          | : IB2, T7, TP2  |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 150   |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 1 L   |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : 60 L  |
| DOT Vessel Stowage Location                                      | : B   |

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DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"

### Additional information

Emergency Response Guide (ERG) Number : 131

Other information : This product may be eligible to be shipped as a Limited Quantity or Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.150.

### ADR

No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

|   |                 |        |
|---|-----------------|--------|
| methanol  | CAS-No. 67-56-1 | 55-70% |
| methanol (67-56-1)  |                 |        |
| Subject to reporting requirements of United States SARA Section 313 |                 |        |
|   |                 |        |
| CERCLA RQ   | 5000 lb         |        |

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

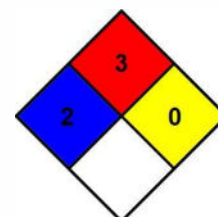
Full text of H-phrases:

|      |  |
|------|--|
| H225 | Highly flammable liquid and vapor        |
| H301 | Toxic if swallowed                       |
| H311 | Toxic in contact with skin               |
| H331 | Toxic if inhaled                         |
| H360 | May damage fertility or the unborn child |
| H362 | May cause harm to breast-fed children    |
| H370 | Causes damage to organs                  |

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Prepared by: Technical Department

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.*