1. IDENTIFICATION

Product Identifier
Product Name: Autoguard Windshield Washer Fluid -20°F

Other means of identification
SDS #: AG-011

Recommended use of the chemical and restrictions on use
Recommended Use: Windshield Washer Fluid

Details of the supplier of the safety data sheet

Emergency Telephone Number
Company Phone Number: 1-800-428-9284
Emergency Telephone (24 hr): CHEMTREC 1-800-424-9300

2. HAZARDS IDENTIFICATION

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Physical State</th>
<th>Odor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue liquid</td>
<td>Liquid</td>
<td>Faint alcoholic odor</td>
</tr>
</tbody>
</table>

Acute toxicity – Oral: Category 4
Acute toxicity – Dermal: Category 3
Acute toxicity – Inhalation: Category 3
Specific target organ toxicity (single exposure): Category 1
Flammable liquids: Category 3

Single Word
Danger

Hazard Statements
Harmful if swallowed
Toxic in contact with skin
Toxic if inhaled
Causes damage to organs
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 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: Call a POISON CENTER or doctor/physician if you feel unwell
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

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>15-40</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

General Advice
Provide this SDS to medical personnel for treatment.

Eye Contact
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact
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.

Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.

Ingestion
IF SWALLOWED: Call a POISON CENTER or physician immediately. Rinse mouth. Do not induce vomiting.
Most important symptoms and effects

Symptoms
Harmful if swallowed. Toxic in contact with skin. Toxic if inhaled. Causes damage to organs.

Indication of any immediate medical attention and special treatment needed

Notes to Physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

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

Unsuitable Extinguishing Media
Water may be ineffective in fighting fire.

Special Hazards Arising from the Chemical
Flammable liquid and vapor. Fire and explosion hazards are moderate when this product is exposed to heat or flame. Product may form flammable vapors with air if heated sufficiently. Flame is invisible in daylight.

Hazardous Combustion Products

Sensitivity to Static Discharge
Take precautionary measures against static discharge.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions
Use personal protective equipment as required. Remove all sources of ignition. Avoid contact with eyes and skin. Surfaces may become slippery after spillage. Isolate area. Keep unnecessary personnel away.

Environmental Precautions
See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment
Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up
Absorb with non-flammable suitable absorbent such as sand or earth. Scoop up used absorbent into drums or other appropriate container. Dispose of contents/container to an approved waste disposal plant.

7. HANDLING AND STORAGE

Precautions for safe handling
Advice on Safe Handling
Handle in accordance with good industrial hygiene and safety practice. 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 and eye/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 discharges. Keep cool.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up.

Incompatible Materials
Strong oxidizing agents.

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>
</table>
| Methanol 67-56-1 | STEL: 250 ppm  
TWA: 200 ppm  
S* | TWA: 200 ppm  
TWA: 260 mg/m³  
(vacated) TWA: 200 ppm  
(vacated) TWA: 260 mg/m³  
(vacated) STEL: 250 ppm  
(vacated) STEL: 325 mg/m³  
(vacated) S* | IDLH: 6000 ppm  
TWA: 200 ppm  
TWA: 260 mg/m³  
STEL: 250 ppm  
STEL: 325 mg/m³  |

Appropriate engineering controls

Engineering Controls
Apply technical measures to comply with the occupational exposure limits. Showers. Eyewash stations. Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face Protection
Chemical goggles or full face shield.

Skin and Body Protection
Use impervious gloves for prolonged contact.

Respiratory Protection
Respiratory protection; not normally required for ambient air concentrations not exceeding the Occupational Exposure Limit.

Respiratory protection
In case of inadequate ventilation wear respiratory protection. Wear appropriate mask.

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

<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>Blue liquid</td>
<td>Odor Faint alcoholic odor</td>
</tr>
<tr>
<td>Color</td>
<td>Not determined</td>
<td>Odor Threshold Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>-31.6 °C / -25 °F</td>
<td></td>
</tr>
</tbody>
</table>
### Boiling Point/Boiling Range
- **80.6 °C / 177 °F**

### Flash point
- **35 °C / 95 °F**

### Evaporation Rate
- Not determined

### Flammability (Solid, Gas)
- Not determined

### Upper Flammability Limits
- Not determined

### Lower Flammability Limits
- Not determined

### Vapor Pressure
- Not determined

### Vapor Density
- Not determined

### Specific Gravity
- 0.95

### Water Solubility
- Not determined

### 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

## 10. STABILITY AND REACTIVITY

### Reactivity
- Not reactive under normal conditions.

### Chemical Stability
- Stable under recommended storage conditions.

#### Hazardous Polymerization
- Hazardous polymerization does not occur.

### Conditions to Avoid
- Heat. Ignition sources.

### Incompatible Materials
- Strong oxidizing agents.

### Hazardous Decomposition Products
- Carbon monoxide. Other toxic flames.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product information

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eye Contact</strong></td>
<td>Avoid contact with eyes.</td>
</tr>
<tr>
<td><strong>Skin Contact</strong></td>
<td>Toxic in contact with skin.</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td>Toxic if inhaled.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td>Harmful if swallowed.</td>
</tr>
</tbody>
</table>

### Component Information
### Information on physical, chemical and toxicological effects

**Symptoms**

Please see Section 4 of this SDS for symptoms.

**Carcinogenicity**

Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**STOT – single exposure**

Cause damage to organs.

**Numerical measures of toxicity**

Not determined.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

#### Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol 67-56-1</td>
<td></td>
<td>28200: 96 h Pimephales Promelas mg/L LC50 flow-through 18 – 20: 96 h Oncorhynchus mykiss mL/L LC50 static 19500 – 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 100: 96 h Pimephales promelas Mg/L LC50 static 13500 – 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol 67-56-1</td>
<td>-0.77</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>RCRA</th>
<th>RCRA – Basis for Listing</th>
<th>RCRA – D Series Wastes</th>
<th>RCRA – U Series Wastes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol 67-56-1</td>
<td>Included in waste stream: F039</td>
<td></td>
<td></td>
<td>U154</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
Consumer Commodity, ORM-D

IATA

UN/ID No            UN1992
Proper Shipping Name Flammable liquid, toxic, n.o.s. (Methanol)
Hazard Class        3
Subsidiary Hazard Class 6.1
Packing Group       III

IMDG

UN/ID No            UN1992
Proper Shipping Name Flammable liquid, toxic, n.o.s. (Methanol)
Hazard Class        3
Subsidiary Hazard Class 6.1
Packing Group       III

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
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA)(40 CFR 302)
### Chemical Name

<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>15-40</td>
<td>1.0</td>
</tr>
</tbody>
</table>

#### SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### 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.

<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

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
<td>3</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

**Issue Date:** 20-Apr-2012  
**Revision Date:** 29-May-2015  
**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 a 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