



# Safety Data Sheet

Issue Date: 20-Apr-2012

Revision Date: 29-May-2015

Version 1

## 1. IDENTIFICATION

### Product Identifier

Product Name Autoguard Windshield Washer Fluid 0°F

### Other means of identification

SDS # AG-010

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

Recommended Use Windshield Wash 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

### GHS-US Classification

Flam. Liq. 4 H227  
Acute Tox. 4 (Oral) H302  
Acute Tox. 4 (Dermal) H312  
Acute Tox. 4 (Inhalation: dust, mist) H332  
STOT SE 1 H370  
Full text of H-phrases: see Section 16

### GHS-US Labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US):

Hazard statements (GHS-US):

Danger

H227 – Combustible liquid

H302+H312+H332 – Harmful if swallowed, in contact with skin or if inhaled.

H370 – Causes damage to organs. (May cause blindness if swallowed)

Precautionary statements (GHS-US):

P201 – Obtain special instructions before use

P202 – Do not handle until all safety precautions have been read and understood

P210 – Keep away from heat, hot surfaces, open flames, sparks. No smoking

P260 – Do not breathe mist, spray, vapors

P264 – Wash affected areas thoroughly after handling

P270 – Do not eat, drink or smoke when using this product

P280 – Wear personal protective equipment as required

P301+P310 – If swallowed: immediately call doctor/physician or poison center.

Rinse mouth

P302+P352 – If on skin: wash with plenty of water  
 P304+P340 – If inhaled: remove person to fresh air and keep comfortable for breathing  
 P305+P351+P338 – If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P314 – Get medical advice/attention if you feel unwell  
 P362+P364 – Take off contaminated clothing and wash it before reuse  
 P370+P378 – In case of fire: use foam, sand, dry powder, carbon dioxide to extinguish  
 P403+P235 – Store in a well ventilated place. Keep cool  
 P405 – Store locked up  
 P501 – Dispose of contents/container, in a safe manner, to appropriate waste disposal facility, in accordance with local/region/national/international regulations

**Other hazards:** No additional information available

**Unknown acute toxicity (GHS-US):** No data available

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance**  
 Not applicable

**Mixture**

Name	Product Identifier	% by wt	GHS-US Classification
methanol	(CAS No.) 67-56-1	< = 23	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370

**4. FIRST-AID MEASURES**

**Description of first aid measures**

- First-aid measures general:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible)
- First-aid measures after inhalation:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek immediate medical advice. Allow the victim to rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- First-aid measures after skin contact:** Wash immediately with lots of water. Soap may be used. Do not apply (chemical) neutralizing agents. Remove clothing before washing. Consult with a doctor/medical service.
- First-aid measures after eye contact:** Remove contact lenses, if present and easy to do. Continue rinsing. Rinse immediately with plenty of water for 15 minutes, lifting lower and upper lids. Take victim to ophthalmologist if irritation persists.
- First-aid measures after ingestion:** Obtain emergency medical attention. Rinse mouth. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects**

- Symptoms/injuries after inhalation:** May cause irritation of the nose and throat. High concentrations may cause central nervous system depression characterized by severe headaches, dizziness, nausea and confusion.

**Symptoms/injuries after skin contact:** Prolonged exposure to skin may cause skin irritation experienced as burning, dryness, cracking and redness.

**Symptoms/injuries after eye contact:** May cause severe irritation.

**Symptoms/injuries after ingestion:** May cause nausea, abdominal pain, headache, shortness of breath, visual impairment and blindness. Severe poisoning can lead to coma and death.

**Chronic symptoms:** ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Red skin. Dry skin, Skin rash/inflammation. Headache. Feeling of weakness. Disturbed tactile sensibility. Visual disturbances. Sleeplessness. Gastrointestinal complaints. Cardiac and blood circulation effects.

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

This product contains methanol which can cause intoxication and depression of the central nervous system. Methanol is metabolized to formic acid and formaldehyde. These metabolites can cause metabolic acidosis, visual disturbances and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours following ingestion.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing Media**

**Suitable Extinguishing Media:** ABC powder. Foam. Dry powder. Carbon dioxide. Sand.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream.

**Special hazards arising from the substance or mixture**

**Fire Hazard:** Flammable liquid and vapor. Vapors are heavier than air and may travel along the ground or may be moved by ventilation.

**Explosion hazard:** Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

**Advice for firefighters**

**Firefighting instructions:** Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

**Protection during firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Special protective equipment for fire fighters:** Wear positive pressure self-contained breathing apparatus (SCBA). Protective fire fighting clothing (includes fire-fighting helmet, coat, pants, boots and gloves).

## 6. ACCIDENTAL RELEASE MEASURES

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

**General measures:** Remove ignition sources. Use special care to avoid static electric charges. Do not breathe vapor or mist. Wear appropriate respirator when ventilation is inadequate.

**For non-emergency personnel**

**Emergency procedures:** Evacuate unnecessary personnel. Keep upwind. Mark the danger area.

**For emergency responders**

**Protective equipment:** Equip cleanup crew with proper protection.

**Emergency procedures:** Ventilate area.

**Environmental precautions**

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

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

**For containment:** Contain leaking substance. Contain released substance, pump into suitable containers. Dam up the liquid spill. Plug the leak, cut off the supply. Try to reduce evaporation. Dilute combustible/toxic gases/vapors with water spray. Take account of toxic/corrosive precipitation water.

**Methods for cleaning up:** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

**Reference to other sections**

See Section 8. Exposure controls and personal protection.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Additional hazards when processed:** In use, may form flammable vapor-air mixture.

**Precautions for safe handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

**Hygiene measures:** Wash contaminated clothing before reuse.

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

**Technical measures:** Use explosion-proof electrical, lighting, ventilating equipment. Ground/bond container and receiving equipment. Proper grounding procedures to avoid static electricity should be followed.

**Storage conditions:** Keep only in the original container in a cool, well ventilated place away from: Heat sources. Keep container closed when not in use. Do not store near food, foodstuffs, drugs or potable water supplies.

**Incompatible products:** Keep away from strong acids, strong bases and oxidizing agents.

**Incompatible materials:** Sources of ignition.

**Specific end use(s)**

No additional information available.

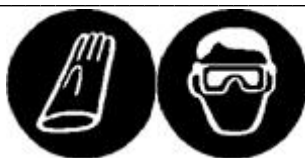
**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

<b>Methanol (67-56-1)</b>		
USA ACGIH	ACGIH TWA (ppm)	200.00 ppm (Skin)
USA ACGIH	ACGIH STEL (ppm)	250.00 ppm (Skin)
USA ACGIH	Remark (ACGIH)	Headache; eye dam; dizziness; nausea
USA OSHA	OSHA PEL (TWA)(mg/m <sup>3</sup> )	260.00 mg/m <sup>3</sup> (Skin)
USA OSHA	OSHA PEL (TWA)(ppm)	200.00 ppm (Skin)

**Exposure controls**

**Personal protective equipment:** Avoid all unnecessary exposure. Gloves. Safety glasses.



<b>Hand protection:</b>	Wear protective gloves.
<b>Eye protection:</b>	Chemical goggles or safety glasses.
<b>Skin and body protection:</b>	Wear suitable protective clothing.
<b>Respiratory protection:</b>	In case of inadequate ventilation wear respiratory protection. Wear appropriate mask.
<b>Other information:</b>	Do not eat, drink or smoke during use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State:</b>	Liquid
<b>Color:</b>	Blue
<b>Odor:</b>	Alcohol
<b>Odor threshold:</b>	No data available
<b>Relative evaporation rate butylacetate=1):</b>	Greater than n-butyl acetate
<b>Freezing point:</b>	No data available
<b>Boiling point:</b>	84 - 85°C (184 – 186°F)
<b>Flash point:</b>	39°C (103°F) Method Used: Cleveland Open Cup
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Vapor pressure:</b>	37.2 mm Hg @ 20°C
<b>Relative vapor density at 20°C:</b>	Heavier than air
<b>Specific Gravity:</b>	0.97 @ 20°C
<b>Solubility:</b>	Water, Complete
<b>Log Pow</b>	No data available
<b>Log Kow</b>	No data available
<b>Viscosity, kinematic:</b>	No data available
<b>Viscosity, dynamic:</b>	No data available
<b>Explosive properties:</b>	No data available
<b>Oxidizing properties:</b>	No data available
<b>Explosive limits:</b>	6 – 36 vol %

### Other information

<b>VOC content:</b>	23.00%
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## 10. STABILITY AND REACTIVITY

### Reactivity

No additional information available

### Chemical Stability

Stable.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

Keep away from ignition sources/sparks. Sources of ignition.

**Incompatible Materials**

Keep away from strong acids, strong bases and oxidizing agents.

**Hazardous Decomposition Products**

Fume. Carbon dioxide. Carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects****Acute toxicity:**

Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation: dust, mist: Harmful if inhaled.

<b>methanol (67-56-1)</b>	
LD50 oral rat	>5,000 mg/kg (1187-2769 mg/kg bodyweight; Rat; Rat)
LD50 dermal rabbit	15,800 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	85 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	64,000 ppm/4h (Rat)
ATE US (oral)	100 mg/kg bodyweight
ATE US (dermal)	300 mg/kg bodyweight
ATE US (gases)	700 ppmv/4h
ATE US (vapors)	3 mg/l/4h
ATE US (dust, mist)	1 mg/l/4h

**Skin corrosion/irritation:** Not classified

**Serious eye damage/irritation:** Not classified

**Respiratory or skin sensitization:** Not classified

**Germ cell mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive toxicity:** Not classified

**Specific target organ toxicity (single version):** Causes damage to organs (May cause blindness if swallowed).

**Specific target organ toxicity (repeated exposure):** Not classified

**Aspiration hazard:** Not classified

**Symptoms/injuries after inhalation:** May cause irritation of the nose and throat. High concentrations may cause central nervous system depression characterized by severe headaches, dizziness, nausea and confusion.

**Symptoms/injuries after skin contact:** Prolonged exposure to skin may cause skin irritation experienced as burning, dryness, cracking and redness.

**Symptoms/injuries after eye contact:** May cause severe irritation.

**Symptoms/injuries after ingestion:** May cause nausea, abdominal pain, headache, shortness of breath, visual impairment and blindness. Severe poisoning can lead to coma and death.

**Chronic symptoms:** ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Red skin. Dry skin. Skin rash/inflammation. Headache. Feeling of weakness. Disturbed tactile sensibility. Visual disturbances. Sleeplessness. Gastrointestinal complaints. Cardiac and blood circulation effects.

## 12. ECOLOGICAL INFORMATION

<b>methanol (67-56-1)</b>	
LC50 fish 1	15,400 mg/l (96 h; Lepomis macrochirus; Lethal)
EC50 Daphnia 1	>10,000 mg/l (48 h; Daphnia magna; Lethal)
LC50 fish 2	10,800 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss))
EC50 Daphnia 2	24,500 mg/l (48 h; Daphnia magna)
Threshold limit other aquatic organisms 1	6,600 mg/l (16 h; Pseudomonas putida)
Threshold limit algae 1	530 mg/l (192 h; Microcystis aeruginosa)
Threshold limit algae 2	8,000 mg/l (168 h; Scenedesmus quadricauda)

### Persistence and degradability:

<b>methanol (67-56-1)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil.
Biochemical oxygen demand (BOD)	0.6 – 1.12 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.42 g O <sub>2</sub> /g substance
ThOD	1.5 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.8% ThOD

### Bioaccumulative potential:

<b>methanol (67-56-1)</b>	
BCF fish 1	< 10 (Leuciscus idus)
Log Pow	-0.77 (Experimental value; Other, Experimental value; Other)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500)

### Mobility in soil:

<b>methanol (67-56-1)</b>	
Surface tension	0.023 N/m (20°C)

### Other adverse effects:

Effect on ozone layer: No known effect on the ozone layer.  
 Effect on global warming: No known ecological damage caused by this product.  
 Other information: Avoid release to the environment.

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

Waste disposal recommendations: Dispose of contents/container in a safe manner, to appropriate waste disposal facility, in accordance with local/regional/national/international regulations.  
 Ecology – waste materials: Avoid release to the environment.

## 14. TRANSPORT INFORMATION

### In accordance with DOT

Not a dangerous good in sense of transport regulations  
 Other information: Not regulated according to 49 CFR 173.116(b)(3).

**ADR**

No additional information available

**Transport by sea**

Limited quantities (IMDG)

Limited Quantities of Class 3 (This must be notated on Shipper's Declaration).

**Air Transport**

UN-No.(IATA)

1993

Proper Shipping Name (IATA)

FLAMMABLE LIQUID, N.O.S. (Methanol)

Class (IATA)

3 – Flammable Liquids

Packing group (IATA)

III – Minor Danger

Instruction "passenger" – Limited quantities (ICAO)

Y309 (Max qty. Per package 10L) Special provision : A3

**15. REGULATORY INFORMATION**

**US Federal Regulations**

<b>Autoguard Windshield Wash Fluid 0°F</b>	
EPA TSCA Regulatory Flag	Toxic Substance Control Act (TSCA): The intentional ingredients of this product are listed.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard Fire hazard
SARA Section 313 – Emission Reporting	23% (Methanol CAS #67-56-1)
<b>methanol (67-56-1)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on United States SARA Section 313	
RQ (Reportable quantity, Section 304 of EPA's List of Lists)	5000 lb(s)

**International regulations:**

**CANADA**

<b>Autoguard Windshield Wash Fluid 0°F</b>	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 1 Subdivision A – Very toxic material causing immediate and serious toxic effects

**WHMIS Classification**



Class B Division 2  
Flammable Liquid



Class D Division a  
Subdivision A – Very  
toxic material  
causing immediate  
and serious toxic  
effects

**EU-Regulations**

No additional information available

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**



**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

Not classified

**National Regulations**

<b>Autoguard Windshield Wash Fluid 0°F</b>
DSL (Canada): The intentional ingredients of this product are listed. ECL (South Korea): The intentional ingredients of this product are listed. EINECS (Europe): The intentional ingredients of this product are listed. ENCS (Japan): The intentional ingredients of this product are listed.

**US State regulations**

<b>methanol (67-56-1)</b>				
U.S. – California – Proposition 65 – Carcinogens List	U.S. – California – Proposition 65 – Developmental Toxicity	U.S. California – Proposition 65 – Reproductive Toxicity – Female	U.S. California – Proposition 65 – Reproductive Toxicity – Male	No significance risk level (NSRL)
No	Yes	No	No	

<b>methanol (67-56-1)</b>
U.S. – Massachusetts – Right to Know List U.S. – New Jersey – Right to Know Hazardous Substance List U.S. – Pennsylvania – RTK (Right to Know) List

**16. OTHER INFORMATION**

**Full text of H-phrases:**

<b>Acute Tox. 3 (Dermal)</b>	Acute toxicity (dermal), Category 3
<b>Acute Tox. 3 (Inhalation)</b>	Acute toxicity (inhal.), Category 3
<b>Acute Tox. 3 (Oral)</b>	Acute toxicity (oral), Category 3
<b>Acute Tox. 4 (Dermal)</b>	Acute toxicity (dermal), Category 4
<b>Acute Tox. 4 (Inhalation: dust/mist)</b>	Acute toxicity (inhalation: dust,mist) Category 4
<b>Acute Tox. 4 (Oral)</b>	Acute toxicity (oral), Category 4
<b>Flam. Liq. 2</b>	Flammable liquids, Category 2
<b>Flam. Liq. 4</b>	Flammable liquids, Category 4
<b>SOTE SE 1</b>	Specific target organ toxicity – single exposure, Category 1
<b>H225</b>	Highly flammable liquid and vapor
<b>H227</b>	Combustible liquid
<b>H301</b>	Toxic if swallowed
<b>H302</b>	Harmful if swallowed
<b>H311</b>	Toxic in contact with skin
<b>H312</b>	Harmful in contact with skin
<b>H331</b>	Toxic if inhaled
<b>H332</b>	Harmful if inhaled
<b>H370</b>	Causes damage to organs

**NFPA health hazard:**

1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

**NFPA fire hazard:**

3 – Liquids and solids that can be ignited under almost all ambient conditions.

**NFPA reactivity**

0 – Normally stable, even under fire exposure conditions, and are not reactive with water.



**HMIS III Rating:**

<b>Health</b>	2 Moderate Hazard – Temporary or minor injury may occur
<b>Flammability</b>	2 Moderate Hazard
<b>Physical</b>	0 Minimal Hazard
<b>Personal Protection</b>	A

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**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**