# Blue Mountain Windshield Wash 0 °F
## Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>Blue Mountain Windshield Wash 0 °F</td>
</tr>
</tbody>
</table>

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: Windshield Wash Fluid

### 1.3. Details of the supplier of the safety data sheet

Old World Industries, LLC  
4065 Commercial Ave.  
Northbrook, IL 60062 - USA  
T (847) 559-2000  
www.oldworldind.com

### 1.4. Emergency telephone number

Emergency number: (800) 424-9300; (703) 527 3887 (International)  
Chemtrec

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**GHS-US classification**

<table>
<thead>
<tr>
<th>Flam. Liq.</th>
<th>H227</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. (Oral)</td>
<td>H302</td>
</tr>
<tr>
<td>Acute Tox. (Dermal)</td>
<td>H312</td>
</tr>
<tr>
<td>Acute Tox. (Inhalation:dust,mist)</td>
<td>H332</td>
</tr>
<tr>
<td>STOT SE 1</td>
<td>H370</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

### 2.2. Label elements

**GHS-US labelling**

- **GHS02**: Danger
- **GHS07**: AVOID CONTACT WITH EYES
- **GHS08**: PROTECTIVE GLOVES

**Signal word (GHS-US)**: H227 - Combustible liquid  
**Hazard statements (GHS-US)**:  
- 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/regional/national/international regulations
2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS US)
No data available

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>% by wt</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>methanol</td>
<td>(CAS No) 67-56-1</td>
<td>&lt;= 23</td>
<td>Flam. Liq. 2, H225 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. 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 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 an ophthalmologist if irritation persists.

First-aid measures after ingestion: Obtain emergency medical attention. Rinse mouth. Never give anything by mouth to an unconscious person.

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

Symptoms/injuries after inhalation: May cause irritation of the nose and throat. High concentrations may cause central nervous system 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.


4.3. 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.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. 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.

5.3. 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).

07/14/2015 EN (English)
**SECTION 6: Accidental release measures**

6.1. 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.

6.1.1. For non-emergency personnel


6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

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

6.3. 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 a way from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

**SECTION 7: Handling and storage**

7.1. 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.

7.2. 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.

7.3. Specific end use(s)

No additional information available

**SECTION 8: Exposure controls/personal protection**

8.1. Control parameters

<table>
<thead>
<tr>
<th>methanol (67-56-1)</th>
<th>ACGIH</th>
<th>ACGIH TWA (ppm)</th>
<th>200 ppm (Skin)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ACGIH</td>
<td>ACGIH STEL (ppm)</td>
<td>250 ppm (Skin)</td>
</tr>
<tr>
<td></td>
<td>ACGIH</td>
<td>Remark (ACGIH)</td>
<td>Headache; eye dam; dizziness; nausea</td>
</tr>
<tr>
<td></td>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>260 mg/m³ (Skin)</td>
</tr>
<tr>
<td></td>
<td>OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>200 ppm (Skin)</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Personal protective equipment: Avoid all unnecessary exposure. Gloves. Safety glasses.
Hand protection: Wear protective gloves.
Eye protection: Chemical goggles or safety glasses.
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: In case of inadequate ventilation wear respiratory protection. Wear appropriate mask.
Other information: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties
- Physical state: Liquid
- Color: Blue
- Odor: alcohol
- Odor threshold: No data available
- Relative evaporation rate (butylacetate=1): Greater than n-butyl acetate
- Freezing point: No data available
- Boiling point: 84 - 85 °C (184 - 186 °F)
- Flash point: 39 °C (103 °F) Method Used: Cleveland Open Cup
- Auto-ignition temperature: No data available
- Decomposition temperature: No data available
- Flammability (solid, gas): No data available
- Vapor pressure: 37.2 mm Hg @ 20 ºC
- Relative vapor density at 20 °C: Heavier than air
- Specific Gravity: 0.97 @ 20 °C
- Solubility: Water: Complete
- Log Pow: No data available
- Log Kow: No data available
- Viscosity, kinematic: No data available
- Viscosity, dynamic: No data available
- Explosive properties: No data available
- Oxidizing properties: No data available
- Explosive limits: 6 - 36 vol %

9.2. Other information
VOC content: 23.00 %

SECTION 10: Stability and reactivity
10.1. Reactivity
No additional information available

10.2. Chemical stability
Stable.

10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur.

10.4. Conditions to avoid
Keep away from ignition sources/sparks. Sources of ignition.

10.5. Incompatible materials
Keep away from strong acids, strong bases and oxidizing agents. Keep away from strong acids, strong bases and oxidizing agents.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Acute toxicity: Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation:dust,mist: Harmful if inhaled.
**Blue Mountain Windshield Wash 0 °F**

**Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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### methanol (67-56-1)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5,000.00 mg/kg (Rat; BASF test; Literature study; 1187-2769 mg/kg bodyweight; Rat; Weight of evidence)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>15,800.00 mg/kg (Rabbit; Literature study)</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>85.00 mg/l/4h (Rat; Literature study)</td>
</tr>
<tr>
<td>LC50 inhalation rat (ppm)</td>
<td>64,000.00 ppm/4h (Rat; Literature study)</td>
</tr>
<tr>
<td>ATE US (dermal)</td>
<td>15,800.00 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE US (gases)</td>
<td>700.00 ppmv/4h</td>
</tr>
<tr>
<td>ATE US (vapors)</td>
<td>3.00 mg/l/4h</td>
</tr>
<tr>
<td>ATE US (dust,mist)</td>
<td>0.50 mg/l/4h</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation**

: Not classified

**Serious eye damage/irritation**

: Not classified

**Respiratory or skin sensitisation**

: Not classified

**Germ cell mutagenicity**

: Not classified

**Reproductive toxicity**

: Not classified

**Specific target organ toxicity (single exposure)**

: 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 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**


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**SECTION 12: Ecological information**

**12.1. Toxicity**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>15,400.00 mg/l (96 h; Lepomis macrochirus; Lethal)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>&gt; 10,000.00 mg/l (48 h; Daphnia magna; Lethal)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>10,800.00 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)</td>
</tr>
<tr>
<td>EC50 Daphnia 2</td>
<td>24,500.00 mg/l (48 h; Daphnia magna; Locomotor effect)</td>
</tr>
<tr>
<td>Threshold limit other aquatic organisms 1</td>
<td>6600 mg/l (16 h; Pseudomonas putida)</td>
</tr>
<tr>
<td>Threshold limit algae 1</td>
<td>530 mg/l (192 h; Microcystis aeruginosa)</td>
</tr>
<tr>
<td>Threshold limit algae 2</td>
<td>8000 mg/l (168 h; Scenedesmus quadricauda)</td>
</tr>
</tbody>
</table>

**12.2. Persistence and degradability**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biochemical oxygen demand (BOD)</td>
<td>0.6 - 1.12 g O₂/g substance</td>
</tr>
<tr>
<td>Chemical oxygen demand (COD)</td>
<td>1.42 g O₂/g substance</td>
</tr>
<tr>
<td>ThOD</td>
<td>1.50 g O₂/g substance</td>
</tr>
<tr>
<td>BOD (% of ThOD)</td>
<td>0.80 % ThOD</td>
</tr>
</tbody>
</table>

**12.3. Bioaccumulative potential**
Blue Mountain Windshield Wash 0 °F
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>methanol (67-56-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF fish 1</td>
</tr>
<tr>
<td>BCF fish 2</td>
</tr>
<tr>
<td>Log Pow</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

<table>
<thead>
<tr>
<th>methanol (67-56-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface tension</td>
</tr>
</tbody>
</table>

12.5. 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.

SECTION 13: Disposal considerations

13.1. 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.

SECTION 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 noted 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

SECTION 15: Regulatory information

15.1. US Federal regulations

Blue Mountain Windshield Wash 0 °F

<table>
<thead>
<tr>
<th>EPA TSCA Regulatory Flag</th>
<th>Toxic Substances Control Act (TSCA): The intentional ingredients of this product are listed</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Section 311/312 Hazard Classes</td>
<td>Immediate (acute) health hazard Delayed (chronic) health hazard Fire hazard</td>
</tr>
<tr>
<td>SARA Section 313 - Emission Reporting</td>
<td>23 % (Methanol CAS # 67-56-1)</td>
</tr>
</tbody>
</table>

methanol (67-56-1)

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)
Blue Mountain Windshield Wash 0 ºF
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

15.2. International regulations

WHMIS Classification

Class B Division 2 - Flammable Liquid
Class D Division 1 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]
No additional information available

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
Not classified

National regulations

Blue Mountain Windshield Wash 0 ºF

DSL (Canada): The intentional ingredients of this product are listed
ECL (South Korea): The intentional ingredients of this product are listed
ENCS (Japan): The intentional ingredients of this product are listed
EINECS (Europe): The intentional ingredients of this product are listed

15.3. US State regulations

methanol (67-56-1)

<table>
<thead>
<tr>
<th></th>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significance risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

methanol (67-56-1)

<table>
<thead>
<tr>
<th></th>
<th>U.S. - Massachusetts - Right To Know List</th>
<th>U.S. - New Jersey - Right to Know Hazardous Substance List</th>
<th>U.S. - Pennsylvania - RTK (Right to Know) List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

SECTION 16: Other information
## Full text of H-phrases:

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

### NFPA health hazard

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

### NFPA fire hazard

: 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.

### NFPA reactivity

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

### HMIS III Rating

- **Health**: 2 Moderate Hazard - Temporary or minor injury may occur
- **Flammability**: 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 °F (37 °C) but below 200 °F (93 °C). (Classes II & IIIA)
- **Physical**: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
- **Personal Protection**: A - Safety glasses

### SDS GHS US (GHS HazCom 2012) OWI

Old World Industries, LLC makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user’s responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by Old World Industries, LLC as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does Old World Industries, LLC assume liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.