

# MATERIAL SAFETY DATA SHEET

Trade Name: Johnsens Windshield Washer Anti-Freeze Solvent  
MSDS NO. 2940  
Revision Date: 04/11/2006  
Date Printed: 12/30/2008

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Johnsens Windshield Washer Anti-Freeze Solvent  
Synonyms: None  
Emergency Telephone (24 hr.): CHEMTREC 1-800-424-9300  
Supplier: Technical Chemical Company, P.O. Box 139, Cleburne, Texas 76033

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Component  | Weight % | OSHA TWA   | OSHA STEL  | OSHA SKIN  |
|--|----------|------------|------------|------------|
| Methyl Alcohol<br>67-56-1  | 5-10     | Not Listed | Not Listed | Not Listed |
| Poly(oxy-1,2-ethanediyl),<br>alpha-(4-nonylphenyl)-<br>omega-hydroxy-, branched<br>127087-87-0 | <1       | Not Listed | Not Listed | Not Listed |

| Component  | Weight % | OSHA Z PEL                    | OSHA Z TWA                    | OSHA Z Ceiling |
|--|----------|-------------------------------|-------------------------------|----------------|
| Methyl Alcohol<br>67-56-1  | 5-10     | 260 mg/m <sup>3</sup> 200 ppm | 260 mg/m <sup>3</sup> 200 ppm | Not Listed     |
| Poly(oxy-1,2-ethanediyl),<br>alpha-(4-nonylphenyl)-<br>omega-hydroxy-, branched<br>127087-87-0 | <1       | Not Listed                    | Not Listed                    | Not Listed     |

| Component  | ACGIH TLV TWA | ACGIH TLV STEL | ACGIH TLV Ceiling |
|--|---------------|----------------|-------------------|
| Methyl Alcohol<br>67-56-1  | 200 ppm       | 250 ppm        | Not Listed        |
| Poly(oxy-1,2-ethanediyl),<br>alpha-(4-nonylphenyl)-<br>omega-hydroxy-, branched<br>127087-87-0 | Not Listed    | Not Listed     | Not Listed        |

## 3. HAZARDS IDENTIFICATION

**Emergency Overview:** Danger: Poison. Ingestion of even small amounts of methyl alcohol can cause blindness and death. Cannot be made nonpoisonous. Keep away from heat, sparks and flame. Combustible Liquid. May cause eye injury which may persist for several days. Liquid and vapor in high concentrations, causes eye irritation, tearing and burning sensations.

**HMIS Classification:** Health: \*2 Flammability: 3 Physical Hazard: 0  
**NFPA Rating:** Health: 1 Flammability: 3 Reactivity: 0

## 4. FIRST AID MEASURES

**Eye Contact:** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

**Ingestion:** If swallowed, induce vomiting immediately by giving two glasses of water and sticking fingers down throat; never give anything to an unconscious person. Get medical attention. Drink a large amount of water, milk or sodium bicarbonate to dilute material in stomach.

**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

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## 4. FIRST AID MEASURES

**Skin Contact:** Wash with soap and water. Remove contaminated clothing and shoes, and launder before reuse. Get medical attention if irritation persists.

## 5. FIRE FIGHTING MEASURES

### Flammable Properties

**Flash Point °F(°C):** 175 F  
**Flash Point Method:** TAG Closed Cup  
**Flammable Limits in Air - Lower (%):** 6% (lowest Component)  
**Flammable Limits in Air - Upper (%):** 36% (Lowest Component)  
**Autoignition Temperature °F(°C):** 475 F. (Lowest Component)  
**Extinguishing Media:** Alcohol foam. Foam. Dry chemical. Carbon dioxide.  
**Protection Of Fire-Fighters:**

**Special Fire-Fighting Procedures:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Avoid water streams which may splash and spread flaming liquid. Water spray can be used to reduce the intensity of the flames and dilute spills to a non-flammable mixture. Vapor may cause flash fire. Methanol and water mixtures will burn unless very dilute. Mixtures with 25% or more Methanol are OSHA Class 1 Flammable Liquids.

**Hazardous Combustion Products:** Carbon Dioxide. Carbon Monoxide. Acrid smoke and irritating fumes.  
**Aerosol Comments:** Not Applicable

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective clothing and equipment to prevent skin and eye contact. Avoid breathing vapor. When airborne exposure limits are exceeded use NIOSH approved respiratory protection equipment appropriate to the material and/or its components.

**Spill Procedures:** Wear protective equipment specified. Only trained and qualified personel should handle any spilled or leaked product.

**Action to be taken if material is released or spilled:** Remove sources of ignition. Increase area ventilation. Stop release at source. Dike area and contain. Absorb spills on inert material such as perlite, vermiculite, sand or dirt. Place in double polyethylene bags. Isolate from other waste materials.

**Environmental Precautions:** Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

## 7. HANDLING AND STORAGE

**Handling and Storage:** Keep container closed when not in use. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Avoid contact with skin and eyes. Use only in a well ventilated area. Keep away from food and smoking materials. Wash hands before eating and smoking. Keep away from heat and open flame. Avoid extreme temperatures.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Use local exhaust. Eyewash stations. Showers.

**Eyes:** Safety glasses with side shields.

**Skin Protection:** Use chemical resistant gloves for prolonged skin contact. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work. Launder contaminated clothing before reuse.

**Respiratory Protection:** Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure. Organic vapor cartridge respirators NOT recommended for methanol vapor exposures.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Topical: blue liquid  
**Odor:** MILD-ALCOHOL  
**pH Value:** approx. 7  
**Vapor Pressure:** Not Determined  
**Vapor Density (Air=1):** Not Determined

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F): <212 F  
Melting/Freezing Point: 27 F  
Solubility in Water: SOLUBLE  
Bulk Density at 20°C: 8.16 lb/gal  
Molecular Weight: Mixture  
Specific Gravity (H20=1): .979 @ 60 F  
Viscosity: Not determined.  
Evaporation Rate: Not Determined  
VOC Content(%): 8%  
Decomposition Temperature: Not Known

## 10. STABILITY AND REACTIVITY

Chemical Stability: STABLE.  
Conditions to Avoid: Avoid any source of ignition.  
Materials to Avoid: Strong oxidizing agents. Chromic anhydride, lead perchlorate and perchloric acids.  
Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide. Acrid smoke with irritating fumes.  
Hazardous Polymerization: WILL NOT OCCUR

## 11. TOXICOLOGICAL INFORMATION

### Toxicological Data:

| Component  | Route      | Species | Dose                   |
|--|------------|---------|------------------------|
| Methyl Alcohol<br>67-56-1  | Inhalation | Rats    | LC50 64,000 ppm        |
| Poly(oxy-1,2-ethanediyl),<br>alpha-(4-nonylphenyl)-<br>omega-hydroxy-, branched<br>127087-87-0 | Oral       | Rats    | LD50 2.52 ml/kg 24 Hr. |

### Carcinogenicity:

| Component  | IARC       | NTP        | OSHA       |
|--|------------|------------|------------|
| Methyl Alcohol<br>67-56-1  | Not Listed | Not Listed | Not Listed |
| Poly(oxy-1,2-ethanediyl),<br>alpha-(4-nonylphenyl)-<br>omega-hydroxy-, branched<br>127087-87-0 | Not Listed | Not Listed | Not Listed |

## 12. ECOLOGICAL INFORMATION

Remarks: Ecological testing has not been conducted on this product.

## 13. DISPOSAL CONSIDERATION

Waste Classification: Not determined.  
Waste Management: Not determined.  
Disposal Method: Disposal should be made in accordance with federal, state and local regulations.

## 14. TRANSPORTATION INFORMATION

U.S. DOT:  
Proper Shipping Name: Not regulated  
Hazard Class: Not applicable  
UN/NA Number: Not Applicable

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## 14. TRANSPORTATION INFORMATION

DOT Packing Group: Not Applicable

**IMDG:**

Proper Shipping Name: Not regulated  
 Hazard Class: Not applicable  
 Hazard Subclass: Not applicable  
 UN No.: Not applicable  
 Packing Group: Not applicable  
 Marine Pollutant: No

## 15. REGULATORY INFORMATION

**US Federal Regulations:**

| Component  | SARA 313   | SARA 302   | TPQ        | RQ         |
|--|------------|------------|------------|------------|
| Methyl Alcohol<br>67-56-1  | Listed.    | Not Listed | Not Listed | Not Listed |
| Poly(oxy-1,2-ethanediyl),<br>alpha-(4-nonylphenyl)-<br>omega-hydroxy-, branched<br>127087-87-0 | Not Listed | Not Listed | Not Listed | Not Listed |

SARA 311/312 Hazard Categories: Not Determined.

**State Regulations:**

| Component  | California Prop. 65<br>Cancer list | California - Prop 65<br>Developmental Toxicity | California Prop. 65<br>Reproductive Female | California Prop. 65<br>Reproductive Male |
|--|------------------------------------|--|--|--|
| Methyl Alcohol<br>67-56-1  | Not Listed                         | Not Listed                                     | Not Listed                                 | Not Listed                               |
| Poly(oxy-1,2-ethanediyl),<br>alpha-(4-nonylphenyl)-<br>omega-hydroxy-, branched<br>127087-87-0 | Not Listed                         | Not Listed                                     | Not Listed                                 | Not Listed                               |

| Component                 | New Jersey Right-to-Know List:   |
|---------------------------|--|
| Methyl Alcohol<br>67-56-1 | Substance no. 2079<br>Substance no. 2422<br>Substance no. 2423<br>Substance no. 2425<br>Substance no. 2426<br>Substance no. 2427<br>Substance no. 2428<br>Substance no. 2429<br>Substance no. 2430<br>Substance no. 1222 |

**U.S. TSCA:** The components of this product are listed on the TSCA Inventory.  
**Canadian Inventory:** The components of this product are listed on the Canadian DSL or NDSL Inventory.

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### **Consumer Product Safety Improvement Act of 2008 General Conformity Certification**

The Supplier identified in Section 1 of this MSDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product container.

## 16. OTHER INFORMATION

**General Notes:**  
**Disclaimer:**

Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system. The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.