

# MATERIAL SAFETY DATA SHEET

SNAP® WINDSHIELD SPRAY DE-ICER

## 1. PRODUCT AND COMPANY IDENTIFICATION

MSDS Number: 13666

Version Date: 6/18/2001

**Product Name:** SNAP® WINDSHIELD SPRAY DE-ICER

**Product Use:** Windshield de-icer

**Synonyms:** S560

### Manufacturer

Pennzoil-Quaker State Company  
P.O. Box 2967  
Houston, TX 77252-2967  
USA

### Phone Numbers

**Medical Emergency:** 1-800-546-6040

**Transportation Emergency (USA):** 1-800-468-1263

**Transportation Emergency (International):**

1-352-323-3500 (Call Collect)

**MSDS Assistance:** 1-800-546-6227

**Fax On Demand:** 1-800-546-6227

**Technical Assistance:** 1-800-458-4998

**Customer Service:** 1-800-468-8397

**Fax Number:** 713-217-3181

**Internet Address:** www.MSDS.PZLQS.com

## 2. COMPONENT INFORMATION

Component	CAS No.	Weight Percent Range	Hazardous in Blend
WATER	7732-18-5	40 - 45	No
METHYL ALCOHOL	67-56-1	45 - 50	Yes
ETHYLENE GLYCOL	107-21-1	1 - 5	Yes
CARBON DIOXIDE	124-38-9	1 - 5	Yes

This product is **HAZARDOUS** according to OSHA 29 CFR 1910.1200.

### Hazards:

**Flammable/Combustible**      **Acute Toxin**   X   **Chronic Toxin**   X   **Carcinogen**     

**Pressure**   X   **Reactive**      **Exposure Limit**   X   **Target Organ**      **Other**     

**Other:** No information available

## 3. HAZARDS IDENTIFICATION

### Emergency and Hazards Overview

DANGER (SKULL AND CROSSBONES SYMBOL) POISON. MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. VAPOR HARMFUL.  
CONTENTS UNDER PRESSURE.

**NFPA Ratings:** **Health**   1   **Flammability**   2   **Reactivity**   0  

**Primary Route of Exposure:** **Skin**   X   **Inhalation**   X   **Eye**   X  

### Health Effect Information

**Eye Contact:** Avoid eye contact. May be irritating to the eyes upon direct contact.

**Skin Contact:** Avoid skin contact. Single, short exposures, as expected with consumer use of this product, are expected to be practically non-irritating to the skin. Prolonged or repeated skin contact may result in dryness, chapping, and reddening. May be absorbed through skin.

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**Inhalation:** Avoid inhalation of mists or vapors. Acute and chronic overexposures may be irritating to the respiratory tract. Inhalation of high concentrations of this product can cause central nervous system depression and narcosis. When high concentrations are inhaled, human signs may include a reddening of the face and a feeling of increased body heat, in addition, disturbed vision, dizziness, tremors, salivation, cardiac stress, drowsiness, dullness, numbness, weakness, headache, nausea, and confusion, as well as respiratory difficulties may be apparent. Intentional misuse by deliberately concentrating and inhaling this product can be harmful or fatal.

**Ingestion:** Ingestion is unlikely for aerosol products. Do not ingest. Harmful or fatal if swallowed. Can cause reversible or permanent blindness. Visual symptoms include eye pain, blurred vision and constriction of visual fields. Can cause central nervous system (CNS) depression if ingested. Ingestion of large quantities can lead to a metabolic acidosis, which can be fatal if untreated. Ingestion may result in lung aspiration. Aspiration may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrhage and may be fatal.

**Medical Conditions Aggravated by Exposure:** Drying and chapping may make the skin more susceptible to other irritants, sensitizers and disease.

**Other:** No information available

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## 4. FIRST AID INFORMATION

**Eye Contact:** Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If irritation persists, seek medical attention.

**Skin Contact:** Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs and persists, seek medical attention.

**Inhalation:** If victim exhibits signs of vapor intoxication remove to fresh air. If discomfort persists seek medical attention. If breathing has stopped or is irregular, administer artificial respiration and supply oxygen if it is available. If victim is unconscious, remove to fresh air and seek immediate medical attention.

**Ingestion:** Ingestion is unlikely for aerosol products. If large quantity is ingested and if person is conscious, give large quantities of water immediately. Seek immediate medical attention. If vomiting occurs lower head below knees to avoid aspiration.

**Notes to Physician:** No information available

**Other:** No information available

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## 5. FIRE AND EXPLOSION INFORMATION

### Flammable Properties

**Flash Point (aerosol concentrate):** 159.1 F, 70.6 C

**Test Method:** ASTM D-93 (P.M.C.C.)

**Flame Extension:** 0", no flashback

**Test Method:** CPSC 1500.45

### Flammable Limits in Air

**Upper Percent:** No data available

**Lower Percent:** No data available

**Autoignition Temperature:** No data available

**Test Method:** No information available

**NFPA Classification:** No information available

**Extinguishing Media:** Use water spray (fog), dry chemical, foam, or carbon dioxide.

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## Fire Fighting Measures

**Special Fire Fighting Procedures and Equipment:** Water may be ineffective but can be used to cool containers exposed to heat or flame to prevent vapor pressure buildup and possible container rupture.

**Unusual Fire and Explosion Conditions:** Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

**Hazardous Combustion By-Products:** None

**Other:** No information available

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## 6. ACCIDENTAL RELEASE MEASURES

**Personnel Safeguards:** Remove all sources of ignition. Provide adequate ventilation during clean-up. Consult Health Effect Information in Section 3, Personal Protection Information in Section 8, Fire and Explosion Information in Section 5, and Stability and Reactivity Information in Section 10.

**Regulatory Notifications:** No notification required

**Containment and Clean up:** No special cleanup procedures are necessary.

**Other:** No information available

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## 7. HANDLING AND STORAGE INFORMATION

**Handling:** All ignition sources in the area should be controlled. See NFPA 30B, Code for the Manufacture and Storage of Aerosol Products. Contents under pressure and can explode when exposed to heat or open flame. Caution!--Do not puncture or incinerate.

**Storage:** Do not transfer to unmarked containers. Store in a cool, well ventilated area in closed containers away from heat, sparks, open flame or oxidizing materials. Do not store at temperatures greater than 120 F.

### Empty Container Warnings

**Drums:** Not applicable

**Plastic:** Not applicable

**Other:** No information available

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

### Exposure Limits and Guidelines

Component	CAS No.	Exposure Limit
METHYL ALCOHOL	67-56-1	OSHA - PEL: TWA 200 ppm ACGIH - TLV: TWA 200 ppm ACGIH - TLV: STEL 250 ppm
ETHYLENE GLYCOL	107-21-1	ACGIH - TLV: Ceiling 50 ppm
CARBON DIOXIDE	124-38-9	OSHA - PEL: TWA 5000 ppm ACGIH - TLV: TWA 5000 ppm ACGIH - TLV: STEL 30000 ppm

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## Personal Protective Equipment

**Eye/Face Protection:** Eye protection is not required under conditions of normal use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.

**Skin Protection:** No skin protection is required for single, short duration exposures.

**Respiratory Protection:** Respiratory protection is not required under conditions of normal use. If excessive levels of mists or vapors are generated while using this product, use an organic vapor respirator. All respirators must be NIOSH certified.

**Personal Hygiene:** Always wash hands and face with soap and water before eating, drinking, or smoking. Consumption of food and beverage should be avoided in work areas where this product is present.

## Engineering Controls / Work Practices

**Ventilation:** General room ventilation is normally sufficient to prevent buildup of hazardous concentrations. If product is used in enclosed or confined spaces, adequate ventilation must be provided to prevent buildup of vapors or mists.

**Other:** No information available

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> Coarse white spray	
<b>Odor:</b> Alcohol	<b>Vapor Pressure:</b> 90 - 100 psig @ 68 F
<b>Physical state:</b> Liquid	<b>Vapor Density (air=1):</b> No data available
<b>pH:</b> No data available	<b>Percent Volatile by Volume:</b> > 40 %
<b>Boiling Point:</b> No data available	<b>Volatile Organic Content:</b> No data available
<b>Melting Point:</b> Not applicable	<b>Molecular Weight:</b> Not applicable
<b>Specific Gravity:</b> 0.9	<b>Average Carbon Number:</b> Not applicable
<b>Pour Point:</b> No data available	<b>Viscosity @ 100 F:</b> No data available
	<b>Viscosity @ 40 C:</b> No data available
<b>Solubility in Water:</b> Soluble in water	
<b>Octanol / Water Coefficient: Log K<sub>ow</sub> =</b> No data available	

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## 10. STABILITY AND REACTIVITY INFORMATION

**Chemical Stability:** Stable

**Conditions to Avoid:** Keep away from heat, sparks, open flames and other ignition sources. Temperatures above 120 F.

**Incompatible Materials to Avoid:** May react with strong oxidizing agents.

**Other:** No information available

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## 11. TOXICOLOGICAL INFORMATION

**Primary Eye Irritation:** Moderate in Draize test in rabbits (methanol).

**Primary Skin Irritation:** Moderate irritation in Draize test in rabbits (methanol).

**Acute Dermal Toxicity:** No information available

**Subacute Dermal Toxicity:** No information available

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**Dermal Sensitization:** No information available

**Inhalation Toxicity:** LC50 (rat) = 64,000 ppm (4 hours) (methanol)

**Inhalation Sensitization:** No information available

**Oral Toxicity:** LD50 (rat) = 5628 mg/kg (methanol)

**Mutagenicity:** No information available

**Carcinogenicity:** Methanol is not considered to be carcinogenic by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or OSHA.

**Reproductive and Developmental Toxicity:** .

**Teratogenicity:** No information available

**Immunotoxicity:** No information available

**Neurotoxicity:** No information available

**Other:** No information available

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## 12. ECOLOGICAL INFORMATION

**Aquatic Toxicity:** No information available

**Terrestrial Toxicity:** No information available

**Chemical Fate and Transport:** No information available

**Other:** No information available

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## 13. DISPOSAL INFORMATION

**Regulatory Information:** Dispose of residual products and empty containers responsibly.

**Waste Disposal Methods:** Waste material may be landfilled or incinerated at an approved facility.  
Materials should be recycled if possible.

**Other:** No information available.

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## 14. TRANSPORTATION INFORMATION

**U.S. Department of Transportation (DOT)**

**Highway / Rail (Bulk):** NOT SHIPPED IN BULK CONTAINERS

**Highway / Rail (Non-Bulk):** Consumer Commodity

The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for all shipping descriptions.

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## International Information

Vessel: IMDG Regulated:   X   IMDG Not Regulated:         
Air: ICAO Regulated:   X   ICAO Not Regulated:       

Other: No information available

## 15. Regulatory Information

**Regulatory Lists Searched:** The components listed in Section 2 of this MSDS were compared to substances that appear on the following regulatory lists. Each list is numerically identified. See Regulatory Search Results below.

**Health & Safety:** 10 - IARC carcinogen, 11 - NTP carcinogen, 12 - OSHA carcinogen, 15 - ACGIH TLV, 16 - OSHA PEL, 17 - NIOSH exposure limit, 20 - US DOT Appendix A, Hazardous substances, 21 - USDOT Appendix B, Marine pollutants, 22 - FDA 21 CFR Total food additives, 23 - NFPA 49 or 325

**Environmental:** 30 - CAA 1990 Hazardous air pollutants, 31 - CAA Ozone depleters, 33 - CAA HON rule, 34 - CAA Toxic substance for accidental release prevention, 35 - CAA Volatile organic compounds (VOC's) in SOCMI, 41 - CERCLA / SARA Section 302 extremely hazardous substances, 42 - CERCLA / SARA Section 313 emissions reporting, 43 - CWA Hazardous substances, 44 - CWA Priority pollutants, 45 - CWA Toxic pollutants, 46 - EPA Proposed test rule for hazardous air pollutants, 47 - RCRA Basis for listing - Appendix VII, 48 - RCRA waste, 49 - SDWA - (S)MCLs

**International:** 50 - Canada - WHMIS Classification of substance, 54 - Mexico - Drinking water - ecological criteria, 55 - Mexico - Wastewater discharges, 56 - US -TSCA Section (12)(b) - export notification

**State Lists:** 60 - CA - Proposition 65, 61 - FL - Substances, 62 - MI - Critical materials, 63 - MA - RTK, 64 - MA - Extraordinarily hazardous substances, 65 - MN - Hazardous substances, 66 - PA - RTK, 67 - NJ - RTK, 68 - NJ - Environmental hazardous substances, 69 - NJ - Special hazardous substances

**Inventories:** 80 - Canada - Domestic substances, 81 - European - EINECS, 82 - Japan - ENCS, 83 - Korea - Existing and evaluated chemical substances, 84 - US - TSCA

### **Regulatory Search Results:**

CARBON DIOXIDE: 15, 16, 17, 22, 50, 61, 63, 65, 66, 67, 69, 80, 81, 82, 83, 84

ETHYLENE GLYCOL: 15, 17, 20, 23, 30, 33, 35, 42, 46, 50, 56, 61, 63, 65, 66, 67, 68, 69, 80, 81, 82, 83, 84

METHYL ALCOHOL: 15, 16, 17, 20, 22, 23, 30, 33, 35, 42, 48, 50, 61, 63, 65, 66, 67, 68, 69, 80, 81, 82, 83, 84

WATER: 80, 81, 83, 84

**U.S. TSCA Inventory:** All components of this material are on the US TSCA Inventory.

**SARA Section 313:** Consumer products are not regulated under SARA, Title III, Section 313.

**IARC:** No information available

### **SARA 311 / 312 Categories**

Acute:   X   Chronic:   X   Fire:        Pressure:   X   Reactive:         
Not Regulated:       

### **Canadian WHMIS Classification**

No information available

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## European Union Classification

### Hazard Symbols:

Toxic / T / skull and crossbones in square.  
"3" Aerosol

### Risk Phrases:

R23/24/25: Toxic by inhalation, in contact with the skin and if swallowed.  
R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

### Safety Phrases:

S1/2: Keep locked up and out of the reach of children  
S7: Keep container tightly closed.  
S16: Keep away from sources of ignition - No smoking.  
S45: In case of accident or if you feel unwell seek medical advice immediately ...(show the label where possible).

**Other:** No information available

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## 16. OTHER INFORMATION

### Health and Environmental Label Language

Front Label:

DANGER (SKULL AND CROSSBONES SYMBOL) POISON. MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. VAPOR HARMFUL.  
CONTENTS UNDER PRESSURE.  
Read carefully other cautions on back.

Back Label:

(Aerosol containing >15% methanol)

DANGER: CONTAINS METHYL ALCOHOL. CANNOT BE MADE NON-POISONOUS.

Precautionary Measures: Do not drink or inhale. Use only in a well-ventilated area. Avoid eye contact. Keep away from heat and flame. Do not puncture or incinerate container. Do not store at temperatures above 120F.

First Aid: Ingestion: If swallowed, give one or two glasses of water. Then call physician, hospital emergency room or Poison Control Center for method to induce vomiting. Then get immediate medical attention. Eyes: Flush with water for 15 minutes and get prompt medical attention.

KEEP OUT OF REACH OF CHILDREN.

### MSDS Revisions

**Previous Version Date:** 10/20/2000

**Previous Version Information:** No information available

**Other:** No information available

### Prepared By:

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Environmental, Safety, Health, & DOT Compliance  
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