

# MATERIAL SAFETY DATA SHEET

RAIN-X ANTI-RAIN & RAIN-X ANTI-FOG

## 1. PRODUCT AND COMPANY IDENTIFICATION

MSDS Number: 25790

Version Date: 05/22/03

**Product Name:** RAIN-X ANTI-RAIN & RAIN-X ANTI-FOG

**Product Use:** Windshield treatment

**Synonyms:** RAIN-X REPELLANT

### Company Information

Pennzoil-Quaker State (UK) Limited  
Ducketts Wharf  
South Street  
Bishops Stortford, Hertfordshire CM23 3AR  
United Kingdom

### Phone Numbers

**Medical Emergency:** 713-546-6070 USA  
**Transportation Emergency (USA):** 1-800-424-9300  
**Transportation Emergency (International):**  
1-703-527-3887 (Call Collect)  
**MSDS Assistance:** 713-546-6227 USA  
**Fax On Demand:** 713-546-6227 USA  
**Technical Assistance:** +44-1279-710-400 UK  
**Customer Service:** e-mail contact: EMA-  
info@pzlqs.com  
**Fax Number:** +44-1279-461-828  
**Internet Address:** www.MSDS.PZLQS.com

## 2. COMPONENT INFORMATION

Component	CAS No.	Weight Percent Range	Hazardous in Blend
ISOPROPYL ALCOHOL	67-63-0	85 - 100	Yes
SULFURIC ACID	7664-93-9	0 - 1	No

This product meets the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### Hazards:

**Flammable/Combustible**  **Acute Toxin**  **Chronic Toxin**  **Carcinogen**   
**Pressure**  **Reactive**  **Exposure Limit**  **Target Organ**  **Other**

**Other:** This product is classified as dangerous, according to Directive 1999/45/EC or 67/546/EEC (See Section 15).

Component	EINECS NO	Percentage	R Phrases	Symbols
1. Isopropyl Alcohol	200-661-7	85-100%	11, 36, 67	F, Xi
2. Sulfuric Acid	231-639-5	0-1%	35	C

## 3. HAZARDS IDENTIFICATION

### Emergency and Hazards Overview

Classification: F: Highly Flammable, R11; Xi : Irritant, R36, R67.

**NFPA Ratings:** **Health** 1 **Flammability** 3 **Reactivity** 0

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

### Health Effect Information

**Eye Contact:** Avoid eye contact. This product has not been tested for acute eye hazards. This product is irritating to the eyes upon direct contact. Exposure to high concentrations of vapors may be irritating to the eyes. These effects are transient, and complete recovery follows.

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**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.

**Inhalation:** This product is not expected to pose an inhalation hazard under conditions of foreseeable use. This product may be considered a low health hazard unless inhaled in very high concentrations. Exposure to vapors generated under unusual conditions may be mildly irritating to the nose and throat. Acute and chronic overexposures may be irritating to the respiratory tract.

**Ingestion:** Do not ingest. Can cause central nervous system (CNS) depression if ingested. Aspiration may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrhage and may be fatal. Signs of lung involvement include increased respiratory rate, increased heart rate, and a bluish discoloration of the skin. Coughing, choking, and gagging are often noted at the time of aspiration. Gastrointestinal discomfort may develop, followed by vomiting with a further risk of aspiration. Intentional misuse by deliberately ingesting can be harmful.

**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:** No treatment is necessary under ordinary circumstances. Wash thoroughly with water. If redness or irritation occurs and persists, seek medical attention. Use a hand or skin lotion to prevent dryness.

**Inhalation:** No treatment is necessary under ordinary circumstances. If victim exhibits signs of vapor intoxication remove to fresh air. If discomfort persists seek medical attention.

**Ingestion:** Do not induce vomiting due to aspiration hazard. If vomiting occurs lower head below knees to avoid aspiration. If victim exhibits signs of lung aspiration such as coughing or choking, seek immediate medical assistance.

**Notes to Physician:** No information available

**Other:** No information available

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## 5. FIRE AND EXPLOSION INFORMATION

### Flammable Properties

**Flash Point:** 53.6 F, 12 C

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

### Flammable Limits in Air

**Upper Percent:** No data available

**Lower Percent:** No data available

**Autoignition Temperature:** >698 F , >370 C

**Test Method:** No information available

**NFPA Classification:** Class IA - flammable liquid

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

**Fire Fighting Measures**

**Special Fire Fighting Procedures and Equipment:** No special fire fighting procedures are required. 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. Vapors may travel a considerable distance to source of ignition and flash back.

**Hazardous Combustion By-Products:** Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

**Other:** No information available

**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. Flush area with water to dilute. Small spills may be picked up with absorbent material.

**Other:** No information available

**7. HANDLING AND STORAGE INFORMATION**

**Handling:** All ignition sources in the area should be controlled. Do not open or use in unventilated, enclosed or confined spaces.

**Storage:** 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. Do not transfer to unmarked containers.

**Empty Container Warnings**

**Drums:** Not applicable

**Plastic:** Do not reuse this container. Empty container may retain product residues.

**Other:** No information available

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION****Exposure Limits and Guidelines**

Component	CAS No.	Exposure Limit
ISOPROPYL ALCOHOL	67-63-0	OSHA - PEL: TWA 400 ppm ACGIH - TLV: TWA 400 ppm ACGIH - TLV: STEL 500 ppm
SULFURIC ACID	7664-93-9	OSHA - PEL: TWA 1 mg/m3 ACGIH - TLV: TWA 1 mg/m3 ACGIH - TLV: STEL 3 mg/m3

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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:** Skin protection is not required under conditions of normal use. Launder soiled clothes.

**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.

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

## 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> Clear , colorless	
<b>Odor:</b> Alcohol	<b>Vapor Pressure:</b> No data available
<b>Physical state:</b> Liquid	<b>Vapor Density (air=1):</b> > 1
<b>pH:</b> No data available	<b>Percent Volatile by Volume:</b> No data available
<b>Boiling Point:</b> 176 F, 80 C	<b>Volatile Organic Content:</b> No data available
<b>Melting Point:</b> < 212 F, 100 C	<b>Molecular Weight:</b> No data available
<b>Specific Gravity:</b> 0.79	<b>Average Carbon Number:</b> No data available
<b>Pour Point:</b> No data available	<b>Viscosity @ 100 F:</b> No data available
	<b>Viscosity @ 40 C:</b> < 20 cSt
<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.

**Incompatible Materials to Avoid:** May react with strong oxidizing agents. Aldehydes, halogens and concentrated mineral acids. Strong bases.

**Other:** No information available

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## 11. TOXICOLOGICAL INFORMATION

**Primary Eye Irritation:** No information available

**Primary Skin Irritation:** No information available

**Acute Dermal Toxicity:** No information available

**Subacute Dermal Toxicity:** No information available

**Dermal Sensitization:** No information available

**Inhalation Toxicity:** No information available

**Inhalation Sensitization:** No information available

**Oral Toxicity:** No information available

**Mutagenicity:** No information available

**Carcinogenicity:** No information available

**Reproductive and Developmental Toxicity:** No information available

**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.

**Other:** No information available

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## 14. TRANSPORTATION INFORMATION

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

**Highway / Rail (Bulk):** Not Regulated

**Highway / Rail (Non-Bulk):** Regulated

**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:  IMDG Not Regulated:   
Air: ICAO Regulated:  ICAO Not Regulated:

Other: European - Hazardous Materials Proper Shipping Descriptions

Highway/Rail: Flammable liquid, n.o.s., 3, UN1993, II

Vessel: Flammable liquid, n.o.s., 3.2, UN1993, II

Air: Flammable liquid, n.o.s., 3, UN1993, II

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## 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, 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 SOCM, 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, 85 - China Inventory

### **Regulatory Search Results:**

ISOPROPYL ALCOHOL: 15, 16, 17, 22, 23, 35, 42, 50, 61, 63, 65, 66, 67, 68, 69, 80, 81, 82, 83, 84, 85  
SULFURIC ACID: 10, 15, 16, 17, 20, 22, 23, 41, 42, 43, 50, 61, 63, 64, 65, 66, 67, 68, 69, 80, 81, 82, 83, 84, 85

**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:  Chronic:  Fire:  Pressure:  Reactive:   
Not Regulated:

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## Canadian WHMIS Classification

No information available

## European Union Classification

### Hazard Symbols:

Highly flammable / F / flame in square.

Irritant / Xi / X in square.

### Risk Phrases:

R11: Highly flammable.

R36: Irritating to eyes.

R67: Vapours may cause drowsiness and dizziness.

### Safety Phrases:

S2: Keep out of the reach of Children.

S25: Avoid contact with eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S16: Keep away from sources of ignition - No smoking.

S46: If swallowed, seek medical advice immediately and show this container or label.

**Other:** No information available

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## 16. OTHER INFORMATION

### Health and Environmental Label Language

Front Label:

WARNING: FLAMMABLE. MAY CAUSE EYE IRRITATION.

Back Label:

DANGER: Contains Isopropanol. Prolonged and repeated skin contact may cause drying of skin.

PRECAUTIONARY MEASURES: Keep away from heat and flames. Avoid breathing of mists and vapors. Use only in well-ventilated areas. Wash thoroughly after handling.

FIRST AID: If swallowed, do not induce vomiting. Call physician immediately. If inhaled, breathe fresh air. For eye or skin contact, wash thoroughly with water.

KEEP OUT OF REACH OF CHILDREN.

Library of Risk Phrases Listed on this MSDS:

R11: Highly flammable.

R36: Irritating to eyes.

R67: Vapors may cause drowsiness and dizziness.

R35: Causes severe burns.

### MSDS Revisions

**Previous Version Date:** 10/04/02

### Previous Version Information

Revised to comply with adaptations 2001/58/EC, 2001/59/EC and 2001/60/EC.

### Other

No information available

### Prepared By:

Pennzoil-Quaker State Company

Environmental, Safety, Health, & DOT Compliance

**MATERIAL SAFETY DATA SHEET****RAIN-X ANTI-RAIN & RAIN-X ANTI-FOG**

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Houston, TX 77252-2967 USA

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