

**Material Safety Data Sheet****1. MATERIAL AND COMPANY IDENTIFICATION**

**Material Name** : Rain-X Glass Treatment  
**Uses** : Windshield treatment Glass cleaner

**Manufacturer/Supplier** : SOPUS Products  
700 Milam  
Houston TX 77002-2806  
USA

**MSDS Request** :

**Emergency Telephone Number**  
**Spill Information** : 877-242-7400  
**Health Information** : 877-504-9351

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Identity	CAS No.	Concentration
Ethanol	64-17-5	60.00 - 100.00 %
Isopropyl Alcohol	67-63-0	5.00 - 10.00 %

A mixture of water, alcohols and additives.

**3. HAZARDS IDENTIFICATION**

Emergency Overview	
<b>Appearance and Odour</b>	: Clear colourless. Liquid.
<b>Health Hazards</b>	: Irritating to eyes.
<b>Safety Hazards</b>	: Flammable.
<b>Environmental Hazards</b>	: Not classified as dangerous for the environment.

**Health Hazards**

**Inhalation** : Vapours expected to be slightly irritating.

**Skin Contact** : Repeated exposure may cause skin dryness or cracking. No specific hazards under normal use conditions.

**Eye Contact** : Irritating to eyes.

**Ingestion** : Harmful: may cause lung damage if swallowed. Ingestion may cause drowsiness and dizziness.

**Other Information** : Possibility of organ or organ system damage from prolonged exposure; see Chapter 11 for details. Target organ(s): Liver.

**Signs and Symptoms** : Defatting dermatitis signs and symptoms may include a burning sensation and/or a dried/cracked appearance. Eye irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blurred vision. Ingestion may cause inebriation. If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever. The onset of

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- respiratory symptoms may be delayed for several hours after exposure. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued exposure may result in unconsciousness and/or death. Liver damage may be indicated by loss of appetite, jaundice (yellowish skin and eye colour), fatigue, bleeding or easy bruising and sometimes pain and swelling in the upper right abdomen.
- Aggravated Medical Condition** : Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: Eyes. Skin.
- Environmental Hazards** : No specific hazards under normal use conditions.
- Additional Information** : Under normal conditions of use or in a foreseeable emergency, this product meets the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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### 4. FIRST AID MEASURES

- General Information** : Keep victim calm. Obtain medical treatment immediately.
- Inhalation** : No treatment necessary under normal conditions of use.
- Skin Contact** : No treatment necessary under normal conditions of use.
- Eye Contact** : Immediately flush eyes with large amounts of water for at least 30 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment.
- Ingestion** : In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.
- Advice to Physician** : Treat symptomatically. Persons on disulfiram (Antabuse®) therapy should be aware that the ethyl alcohol in this product is hazardous to them just as is alcohol from any source. Disulfiram reactions (vomiting, headache and even collapse) may follow ingestion of small amounts of alcohol and have also been described from skin contact.

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### 5. FIRE FIGHTING MEASURES

Clear fire area of all non-emergency personnel.

- Flash point** : Typical 12 °C / 54 °F
- Specific Hazards** : Flammable vapours may be present even at temperatures below the flash point.

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### 6. ACCIDENTAL RELEASE MEASURES

- Protective measures** : Remove all possible sources of ignition in the surrounding area. No specific measures.
- Clean Up Methods** : Not applicable.
- Additional Advice** : Observe all relevant local and international regulations.

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### 7. HANDLING AND STORAGE

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**Handling** : Use only in well-ventilated areas.  
**Storage** : No special storage requirements.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits**

Material	Source	Type	ppm	mg/m3	Notation
Ethanol	ACGIH	TWA	1,000 ppm		
Ethanol	OSHA Z1	PEL	1,000 ppm	1,900 mg/m3	
Ethanol	OSHA Z1A	TWA	1,000 ppm	1,900 mg/m3	
Isopropyl Alcohol	ACGIH	TWA	200 ppm		
Isopropyl Alcohol	ACGIH	STEL	400 ppm		
Isopropyl Alcohol	OSHA Z1	PEL	400 ppm	980 mg/m3	
Isopropyl Alcohol	OSHA Z1A	TWA	400 ppm	980 mg/m3	
Isopropyl Alcohol	OSHA Z1A	STEL	500 ppm	1,225 mg/m3	
Isopropyl Alcohol	ACGIH	TWA	200 ppm		
Isopropyl Alcohol	ACGIH	STEL	400 ppm		

**Additional Information** : Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.

**Exposure Controls** : Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.

**Personal Protective Equipment** : Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

**Respiratory Protection** : Check with respiratory protective equipment suppliers.

**Hand Protection** : Not normally required.

**Eye Protection** : Chemical splash goggles (chemical monogoggles).

**Environmental Exposure Controls** : Use only in well-ventilated areas.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** : Clear colourless. Liquid.  
**pH** : 1.5  
**Pour point** : Data not available  
**Flash point** : Typical 12 °C / 54 °F  
**Density** : Typical 800 g/cm3 at 20 °C / 68 °F

**10. STABILITY AND REACTIVITY**

**Stability** : Stable under normal conditions of use.  
**Conditions to Avoid** : Open flame.

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- Materials to Avoid** : Not applicable.
- Hazardous Decomposition Products** : None expected under normal use conditions.
- Hazardous Polymerisation** : No
- Sensitivity to Mechanical Impact** : No

**11. TOXICOLOGICAL INFORMATION**

- Basis for Assessment** : Information given is based on data from components.
- Acute Oral Toxicity** : May be harmful if swallowed. LD50 > 2000 - <= 5000 mg/kg , Rat  
Ingestion may cause drowsiness and dizziness.
- Acute Dermal Toxicity** : May be harmful in contact with skin. LD50 > 2000 - <= 5000 mg/kg , Rabbit
- Acute Inhalation Toxicity** : May be harmful if inhaled.
- Skin Irritation** : May cause moderate skin irritation (but insufficient to classify). Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.
- Eye Irritation** : Irritating to eyes.
- Respiratory Irritation** : Inhalation of vapours or mists may cause irritation to the respiratory system.
- Sensitisation** : Not a skin sensitiser.
- Repeated Dose Toxicity** : Liver: can cause liver damage.
- Mutagenicity** : Not expected to be mutagenic.
- Carcinogenicity** : Not carcinogenic in animal studies.

Material	Carcinogenicity Classification
Ethanol	ACGIH Group A4: Not classifiable as a human carcinogen.
Ethanol	NTP: Known carcinogen.
Ethanol	IARC 1: Human carcinogen.
Isopropyl Alcohol	ACGIH Group A4: Not classifiable as a human carcinogen.
Isopropyl Alcohol	IARC 3: Classification not possible from current data.

- Reproductive and Developmental Toxicity** : Causes foetotoxicity in animals at doses which are maternally toxic. Ethanol, a component of this material, may cause birth defects and/or miscarriages.

**12. ECOLOGICAL INFORMATION**

Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products.

- Acute Toxicity** : Expected to be practically non toxic:
- Mobility** : Disperses in water.
- Persistence/degradability** : Data not available
- Bioaccumulation** : Data not available
- Other Adverse Effects** : Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

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**13. DISPOSAL CONSIDERATIONS**

- Material Disposal** : Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.
- Container Disposal** : Dispose in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.
- Local Legislation** : Disposal should be in accordance with applicable regional, national, and local laws and regulations.

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**14. TRANSPORT INFORMATION**

Additional Information US Department of Transportation Classification (49CFR):  
Proper Shipping Name - Consumer Commodity, Class/Division  
- ORM-D.

**IMDG**

Identification number UN 1987  
Proper shipping name ALCOHOLS, N.O.S.  
Technical name (Ethyl alcohol, Isopropyl alcohol)  
Class / Division 3  
Packing group II  
Marine pollutant: No

**IATA (Country variations may apply)**

Identification number ID 8000  
Proper shipping name Consumer Commodity  
Class / Division 9

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**15. REGULATORY INFORMATION**

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

**Federal Regulatory Status****Notification Status**

EINECS All components listed or  
polymer exempt.  
TSCA All components listed.  
DSL All components listed.

**Comprehensive Environmental Release, Compensation & Liability Act (CERCLA)**

Rain-X Glass Treatment ()

Reportable quantity: 105 lbs

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Ethanol (64-17-5)	Reportable quantity: 100 lbs
Isopropyl Alcohol (67-63-0)	Reportable quantity: 100 lbs

### SARA Toxic Release Inventory (TRI) (313)

Isopropyl Alcohol (67-63-0)	10.00%
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### State Regulatory Status

#### California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

This product contains a chemical known to the State of California to cause cancer.  
Known to the State of California to cause birth defects or other reproductive harm.

#### New Jersey Right-To-Know Chemical List

Ethanol (64-17-5)	Listed.
Isopropyl Alcohol (67-63-0)	Listed.
	Listed.

#### Pennsylvania Right-To-Know Chemical List

Ethanol (64-17-5)	Listed.
Isopropyl Alcohol (67-63-0)	Environmental hazard.
	Listed.

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## 16. OTHER INFORMATION

<b>MSDS Version Number</b>	: 1.1
<b>MSDS Effective Date</b>	: 09/11/2008
<b>MSDS Revisions</b>	: A vertical bar ( ) in the left margin indicates an amendment from the previous version.
<b>MSDS Regulation</b>	: The content and format of this MSDS is in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
<b>MSDS Distribution</b>	: The information in this document should be made available to all who may handle the product.
<b>Disclaimer</b>	: The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or

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implied regarding the accuracy of these data or the results to  
be obtained from the use of the product.

