

## Material Safety Data Sheet

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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

**Material Name** : Rain-X Glass Treatment  
**Uses** : Windshield treatment Glass cleaner  
**Product Code** : 001C9285

**Manufacturer/Supplier** : Shell Car Care International (SCCI)  
Rowlandsway  
Wythenshawe, Manchester M22 5SB  
United Kingdom

**Telephone** : +44(0)161-935-7490  
**Fax** : +44(0)161-935-7234

**Emergency Telephone Number** : +44(0) 151 350 4595

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### 2. HAZARDS IDENTIFICATION

**EC Classification** : Highly flammable.  
Irritant.

**Health Hazards** : Vapours expected to be slightly irritating.  
Repeated exposure may cause skin dryness or cracking. No specific hazards under normal use conditions. Irritating to eyes.  
Harmful: may cause lung damage if swallowed.  
Ingestion may cause drowsiness and dizziness.  
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 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.

**Safety Hazards** : Highly flammable.  
**Environmental Hazards** : No specific hazards under normal use conditions.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Preparation description** : A mixture of water, alcohols and additives.

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### Hazardous Components

Chemical Identity	CAS	EINECS	Symbol(s)	R-phrases(s)	Conc.
Ethanol	64-17-5	200-578-6	F	R11	60.00 - 100.00 %
Propan-2-ol	67-63-0	200-661-7	F, Xi	R11; R36; R67	5.00 - 10.00 %

**Additional Information** : Refer to chapter 16 for full text of EC R-phrases.

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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.

- Specific Hazards** : Flammable vapours may be present even at temperatures below the flash point.
- Suitable Extinguishing Media** : Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
- Unsuitable Extinguishing Media** : Do not use water in a jet.

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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

- Handling** : Use only in well-ventilated areas.
- Storage** : No special storage requirements.
- Additional Information** : Exposure to this product should be reduced as low as reasonably practicable. Reference should be made to the

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Health and Safety Executive's publication "COSHH Essentials".

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits

Material	Source	Type	ppm	mg/m3	Notation
Ethanol	EH40 WEL	TWA	1,000 ppm	1,920 mg/m3	
Propan-2-ol	EH40 WEL	TWA	400 ppm	999 mg/m3	
	EH40 WEL	STEL	500 ppm	1,250 mg/m3	

- 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).
- Protective Clothing** : Skin protection not ordinarily required beyond standard issue work clothes.
- Environmental Exposure Controls** : Use only in well-ventilated areas.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Clear colourless. Liquid.
- pH** : 1.5
- Initial Boiling Point and Boiling Range** : Data not available
- Pour point** : Data not available
- Flash point** : Typical 12 °C / 54 °F
- Specific gravity** : Typical 0.8 at 20 °C / 68 °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.
- Materials to Avoid** : Not applicable.
- Hazardous** : None expected under normal use conditions.
- Decomposition Products**
- Hazardous** : No
- Polymerisation**
- 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 ,

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

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

**13. DISPOSAL CONSIDERATIONS**

<b>Material Disposal</b>	: 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.
<b>Container Disposal</b>	: Dispose in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.
<b>Local Legislation</b>	: Disposal should be in accordance with applicable regional, national, and local laws and regulations.

**14. TRANSPORT INFORMATION**

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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)**

UN No.	: 8000
Proper shipping name	: Consumer Commodity
Class / Division	: 9

**15. REGULATORY INFORMATION**

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

EC Label Name	: ISOPROPYL ALCOHOL
EC Classification	: Highly flammable. Irritant.
EC Symbols	: F Highly flammable. Xi Irritant.
EC Risk Phrases	: R11 Highly flammable. R36 Irritating to eyes.
EC Safety Phrases	: S16 Keep away from sources of ignition - no smoking. S25 Avoid contact with eyes. S43 In case of fire, use ... S9 Keep container in a well-ventilated place. S2 Keep out of the reach of children.
EINECS	: All components listed or polymer exempt.
TSCA	: All components listed.
Other Information	: Environmental Protection Act 1990 (as amended). Health and Safety at Work Act 1974. Consumers Protection Act 1987. Control of Pollution Act 1974. Environmental Act 1995. Factories Act 1961. Carriage of Dangerous Goods by Road and Rail (Classification, Packaging and Labelling) Regulations. Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. Control of Substances Hazardous to Health Regulations 1994 (as amended). Road Traffic (Carriage of Dangerous Substances in Packages) Regulations. Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations. Road Traffic (Carriage of Dangerous Substances in Road Tankers in Tank Containers) Regulations. Road Traffic (Training of Drivers of Vehicles Carrying Dangerous Goods) Regulations. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations. Health and Safety (First Aid) Regulations 1981. Personal Protective Equipment (EC

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Directive) Regulations 1992. Personal Protective Equipment at Work Regulations 1992.

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### 16. OTHER INFORMATION

R-phrases)

R11            Highly flammable.  
R36            Irritating to eyes.  
R67            Vapours may cause drowsiness and dizziness.

**MSDS Version Number**        : 1.0

**MSDS Effective Date**         : 29.01.2010

**MSDS Revisions**             : A vertical bar (|) in the left margin indicates an amendment from the previous version.

**MSDS Regulation**            : Regulation 1907/2006/EC

**MSDS Distribution**         : The information in this document should be made available to all who may handle the product.

**Disclaimer**                    : This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.