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# SAFETY DATA SHEET

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Revision Date 17-Jun-2019

Version 4

## 1. IDENTIFICATION

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**Product identifier**

**Product Name** Rain-X Original Glass Water Repellent Wipes

**Other means of identification**

**Product Code** 11891

**Document** SKU: 630021;630061

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**Recommended use of the chemical and restrictions on use**

**Recommended Use** Glass Treatment Consumer Use

**Uses advised against** No information available

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**Details of the supplier of the safety data sheet**

**Supplier Address**

ITW Global Brands  
16200 Park Row, Suite 120  
Houston, TX 77084

**Manufacturer Address**

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**Manufactured and Distributed by:**

**May Also Be Distributed by:**

ITW Permatex Canada  
101-2360 Bristol Circle  
Oakville, ON Canada L6H 6M5  
Telephone: (800) 924-6994

**Company Phone Number** 1-855-888-1988

**24-hour emergency phone number**

(CHEMTREC) 1-800-424-9300 or 1-703-527-3887 (U.S.)

(RMPDC) 1-877-504-9352 (U.S.)

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**E-mail address:** SDS@itwgb.com

## 2. HAZARDS IDENTIFICATION

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**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

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Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 2

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**Label elements**

### Emergency Overview

**Signal word**

**Danger**

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Causes serious eye irritation

May cause drowsiness or dizziness

Highly flammable liquid and vapor

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**Appearance** Clear Colorless **Physical state** Liquid **Odor** Alcohol

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**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Wear eye/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician if you feel unwell

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**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed  
Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

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**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Not applicable.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

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Chemical Name	CAS No	Weight-%
ETHANOL	64-17-5	30 - 60
ACETONE	67-64-1	10 - 30
Isopropanol	67-63-0	10 - 30

**4. FIRST AID MEASURES**

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**Description of first aid measures**

**General advice** Get medical advice/attention if you feel unwell.

**Eye contact** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Skin contact** IF ON SKIN: Wash skin with soap and water. If skin irritation persists, call a physician. Take off contaminated clothing and wash before reuse.

**Inhalation** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.

<b>Ingestion</b>	IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** See section 2 for more information.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

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**Suitable extinguishing media**

Dry chemical, CO<sub>2</sub>, sand, earth, water spray or regular foam

**Unsuitable extinguishing media**

CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient. Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

Flammable vapors may be present even at temperatures below the flash point.

**Explosion data**

**Sensitivity to Mechanical Impact** No information available.

**Sensitivity to Static Discharge** May be ignited by heat, sparks or flames.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and inhalation of vapors. Use personal protective equipment as required. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

**Environmental precautions**

**Environmental precautions** See section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Ensure adequate ventilation. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Use personal protective equipment as required.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

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**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep out of the reach of children.

**Incompatible materials** None known

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
ETHANOL 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
ACETONE 67-64-1	STEL: 500 ppm TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors. (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>
Isopropanol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment**

- Eye/face protection** Wear safety glasses or goggles if splashing is likely to occur.
- Skin and body protection** Wear protective natural rubber, nitrile rubber, Neoprene™ or PVC gloves.
- Respiratory protection** Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.
- General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**9.1. Information on basic physical and chemical properties**

**Physical state** Liquid  
**Appearance** Clear Colorless  
**Odor** Alcohol

<b>Odor threshold</b>	No information available	
<b>29%</b>		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	1.5 - 2.5	
<b>Melting point / freezing point</b>	No information available	29%
<b>Boiling point / boiling range</b>	No information available	
<b>Flash point</b>	-3 °C / 27 °F	Setaflash Closed Cup
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>	<b>29%</b>	
<b>Upper flammability limit:</b>	No information available	29%
<b>Lower flammability limit:</b>	No information available	29%
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Relative density</b>	0.810 - 0.812	
<b>Water solubility</b>	Soluble in water	
<b>Solubility(ies)</b>	No information available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Kinematic viscosity</b>	No information available	
<b>Dynamic viscosity</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	
<b>29%</b>		
<b><u>Other Information</u></b>		
<b>Softening point</b>	No information available	
<b>Molecular weight</b>	No information available	
<b>Density</b>	0.806 - 0.808 g/cm3	
<b>Bulk density</b>	No information available	
<b>SADT (self-accelerating decomposition temperature)</b>	No information available	

**10. STABILITY AND REACTIVITY**

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**Reactivity**  
Stable under normal use  
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**Chemical stability**  
Stable under normal conditions  
29%

**Possibility of Hazardous Reactions**  
None under normal processing.

**Conditions to avoid**  
Heat, flames and sparks. Excessive heat.

**Incompatible materials**  
None known

**Hazardous Decomposition Products**  
Carbon oxides

**11. TOXICOLOGICAL INFORMATION**

**29%**

**Information on likely routes of exposure**

<b>Inhalation</b>	May cause irritation of respiratory tract. May be harmful if inhaled.
<b>Eye contact</b>	Contact with eyes may cause irritation. May cause redness and tearing of the eyes.
<b>Skin contact</b>	May cause skin irritation and/or dermatitis.

**Ingestion**

Ingestion may cause irritation to mucous membranes. May be harmful if swallowed.

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Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
ETHANOL 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
ACETONE 67-64-1	= 5800 mg/kg ( Rat )	> 15700 mg/kg ( Rabbit )	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h
Isopropanol 67-63-0	= 1870 mg/kg ( Rat )	= 4059 mg/kg ( Rabbit )	= 72600 mg/m <sup>3</sup> ( Rat ) 4 h

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**Information on toxicological effects****Symptoms**

No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Sensitization**

No information available.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
ETHANOL 64-17-5	A3	Group 1	Known	X
Isopropanol 67-63-0	-	Group 3	-	X

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Not classifiable as a human carcinogen

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

**Chronic toxicity**

May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects. Contains a known or suspected reproductive toxin.

**Target Organ Effects**

Blood, Central nervous system, Eyes, Liver, Reproductive System, Respiratory system, Skin.

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The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	9100 mg/kg
ATEmix (dermal)	27060 mg/kg
ATEmix (inhalation-dust/mist)	120.1 mg/l

**12. ECOLOGICAL INFORMATION**

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**Ecotoxicity**

0.75 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

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**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

Disperses in water.

Chemical Name	Partition coefficient
ETHANOL 64-17-5	-0.32
ACETONE	-0.24

67-64-1	
Isopropanol 67-63-0	0.05

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**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

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**Waste treatment methods**

**Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations. Recover or recycle if possible. This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated packaging**

Do not reuse container.

**US EPA Waste Number**

D001, D002

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This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
ETHANOL 64-17-5	Toxic Ignitable
ACETONE 67-64-1	Ignitable
Isopropanol 67-63-0	Toxic Ignitable

**14. TRANSPORT INFORMATION**

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**DOT**

**UN/ID No** UN 1987  
**Proper shipping name** Alcohols, N.O.S, (Ethyl alcohol, isopropyl alcohol), Limited Quantity (LQ)  
**Hazard Class** 3  
**Packing Group** II

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**IATA**

**UN/ID No** UN 1987  
**Proper shipping name** Alcohols, N.O.S, (Ethyl alcohol, Isopropyl alcohol), Limited Quantity (LQ)  
**Hazard Class** 3  
**Packing Group** II

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**IMDG**

**UN/ID No** UN 1987  
**Proper shipping name** Alcohols, N.O.S, (Ethyl alcohol, isopropyl alcohol), Limited Quantity (LQ), Flash point -3C degrees c.c  
**Hazard Class** 3  
**Packing Group** II

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**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL/NDSL** Complies  
**EINECS/ELINCS** Complies  
**ENCS** Does not comply  
**IECSC** Complies

KECL Complies  
 PICCS Complies  
 AICS Complies  
 29%

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

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**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

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Chemical Name	SARA 313 - Threshold Values %
Isopropanol - 67-63-0	1.0

**SARA 311/312 Hazard Categories**

Acute health hazard No  
 Chronic Health Hazard No  
 Fire hazard Yes  
 Sudden release of pressure hazard No  
 Reactive Hazard No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
ACETONE 67-64-1	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

**US State Regulations**

**California Proposition 65**

Ethanol is only considered a Proposition 65 developmental hazard when it is ingested as a alcoholic beverage. Intended use for this product does not include consumption.

Chemical Name	California Proposition 65
ETHANOL 64-17-5	Carcinogen Developmental

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
ETHANOL 64-17-5	X	X	X
ACETONE 67-64-1	X	X	X
Isopropanol 67-63-0	X	X	X
WATER 7732-18-5	-	-	X
Sulfuric Acid 7664-93-9	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable



