

PRODUCT INFORMATION SHEET

CLEAR GLASS

PRODUCT INFORMATION:

Concentrated, high performance window cleaner specially blended with low foaming detergents to cut through film, haze, smudges, dirt & grease left by tobacco smoke, make up, bugs & other soiling to leave a streak free finish. Ideal for use as a concentrated non-freezing screen wash.

ADVANTAGES:

GENERAL PURPOSE APPLICATION:

Clear Glass is a concentrated product effective on many surfaces such as stainless steel, chrome, plastic, computer keyboards, glass screens, ceramic, porcelain & mirrors.

EFFECTIVE SOIL REMOVAL:

Contains alcohol to evaporate quickly & cut through film, haze, smudges, dirt, grease & other soils both on the inside & outside of vehicles.

IDEAL AS SCREEN WASH:

Glass Cleaner is alcohol based and therefore used neat won't freeze until temperatures reach minus -12°C.

BIODEGRADABLE:

Readily biodegradable water based cleaner.

DIRECTIONS FOR USE:

Depending on degree of soiling dilute up to 1 part product with 3 to 5 parts clean water. Apply by spray directly onto surface & wipe clean immediately with a clean, dry cloth. For use as a screen wash dilute as per chart below

Temperature	Dilution Ratio
-12°C	Neat
-4°C	1:2
-1°C	1:10

HEALTH AND SAFETY: See Safety Data Sheet.

PACKAGING:

All our plastic drums are high molecular weight; high-density polyethylene designed to bring the product to the customer in perfect conditions.

Size: 1Lt Trigger Spray; 5Lt Drum, 20Lt Drum.

QUALITY ASSURANCE:

This product is manufactured in Ireland to ISO 9002 quality standards & conforms to R.E.A.C.H & CLP regulations. Shelf life: Not less than 3 years.

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Date of issue: 01.01.14

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Replaces version of: 01.01.13

PRODUCT NAME: AUTO GLASS CLEANER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name CLEAR GLASS
Product No. jsi003

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Cleaning agent

1.3. Details of the supplier of the safety data sheet

Supplier Halfords JSI Ltd
P.O. Box 10935
Dublin 11
Ireland

Tel:

+353 (0)1 8569347 Fax: +353 (0)85 7043434

1.4. Emergency Contact: National Poisons Information Centre, Beaumont Hospital,
Beaumont Road, Dublin 9. Tel: +353(01)8092566

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification: Regulation (EC) No 1272/2008 (REACH): H225, H319, H336
Human health: Highly flammable liquid & vapour. Causes serious eye irritation. May cause drowsiness or dizziness

2.2. Label elements

Detergent Labelling: Contains Isopropyl Alcohol
Labelling



FLAMMABLE



DANGER

Hazard Phrases	H225	Highly flammable liquid & vapour
	H319	Causes serious eye irritation
	H336	May cause drowsiness or dizziness
Precautionary Statements	P102	Keep out of the reach of children
	P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
	P233	Keep container tightly closed
	P280	Wear protective gloves, eye & face protection
	P264	Wash hands thoroughly after handling
	P302, 361 & 353	IF ON SKIN: Remove contaminated clothing & rinse skin with water
	P305, 351, 338, 337, 313	IF IN EYES: Flush eyes with water, remove contact lenses if present & easy to do so & continue rinsing. If irritation persists get medical advice/attention
	P261	Avoid breathing vapours/spray mist
	P271	Use only outdoors or in a well-ventilated area
	P403, 405, 235	Store locked up in a well ventilated place. Keep cool.
	P304 & 340	IF INHALED: Remove person to fresh air & keep at rest in a position comfortable for breathing. Call a poison centre or doctor/physician if you feel unwell.
	P501	Dispose of contents/container to in accordance with local regulations. Recover, reclaim or recycle, where possible.

2.3. Other hazards N/A

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures**

PROPAN-2-OL CAS-No.: 67-63-0	EC No.: 200-661-7	15-30%
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R67	
SODIUM XYLENE SULPHONATE CAS-No.: 1300-72-7	EC No.:	1-5%
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335	Classification (67/548/EEC) Xi;R36/37/38.	

A Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures**

Inhalation:	Remove person to fresh air & keep at rest in a position comfortable for breathing. Call a poison centre or doctor/physician if you feel unwell.
Skin Contact:	Remove contaminated clothing & rinse skin with water
Eye Contact:	Flush eyes with water, remove contact lenses if present & easy to do so & continue rinsing. If irritation persists get medical advice/attention.
Ingestion:	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention.
Protection of first aider:	Avoid contact with eyes (see Section 8.)

4.2. Most important symptoms and effects, both acute and delayed

Inhalation:	May cause drowsiness or dizziness. Vapours may irritate throat and/or respiratory system.
Ingestion:	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
Skin contact:	Prolonged or excessively exposure may cause skin dryness or cracking.
Eye contact:	Irritating to eyes. Symptoms following overexposure may include the redness &/or pain.

4.3. Indication of any immediate medical attention and special treatment needed

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

SECTION 5: FIRE FIGHTING MEASURES

- 5.1 Suitable Extinguishing Media: Alcohol-resistant foam, carbon dioxide, dry powder or water fog.
- 5.2 Unsuitable: Do not use water jet as an extinguisher, as this will spread the fire
- 5.3 Specific Hazards: Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Oxides of the following substances: Carbon. Vapours are heavier than air & may spread near ground & travel a considerable distance to a source of ignition & flash back.
- 5.4 Special Equipment for the protection of Fire Fighters: Wear full protective clothing & breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions: Do not smoke, use open fire or other sources of ignition. Avoid contact with eyes (see Section 8.)
- 6.2 Environmental Precautions: No special measures required
- 6.3 Methods for Cleaning up: Small Spills - Flush with water.
Large Spills - Contain & collect spillage & absorb on to sand.

SECTION 7: HANDLING AND STORAGE7.1 Handling

- Technical Measures: No special measures required.
- Safe Handling Advice: Avoid contact with eyes. Keep away from heat. Avoid naked flames, sparks and sources of ignition. Comply with instructions for use.

7.2 Storage

- Technical Measures: No special measures required.
- Storage Conditions: Store in a cool dry place away from sources of heat or ignition
- Incompatible Products: None known.
- Packaging: Plastic Drums.
- Packaging Materials: Recommended: Plastic Materials, Polyethylene, Polypropylene.
Not Suitable - Uncoated Metal Drums.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Engineering Measures: No special measures required.

8.2 Personal Protection Equipment:



Respiratory Protection:

Provide adequate ventilation in areas of confined space. If ventilation is inadequate, suitable respiratory protection must be worn. EN 136/140/145/143/149

Hand Protection:

No protection necessary. If excessive exposure expected use PVC gloves

Eye Protection:

Use Chemical Goggles or Face Shield to EN Standard 166 Level 3 or higher

Skin Protection:

Wear Plastic Apron EN Standard 13034 Type PB[6]

8.3 Hygiene Measures:

Handle in accordance with good industrial hygiene and safety practices.

8.4 Occupational Exposure Limits:

Name	STD	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15 minute reference period)		Notes
		ppm	mg/m3	Ppm	mg/m3	
PROPAN-2-OL	OELV	200	-	400	-	

OELV = Occupational Exposure Limit Value.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State:	Clear Liquid.
Colour:	Blue.
Odour:	Faint characteristic alcohol.
Solubility:	Soluble in water.
Flashpoint (°C):	>30
Explosive Properties:	None.
Density:	0.95kg/dm ³
Initial boiling point range (°C)	85
Melting/Freezing Point (°C)	-11 to -12
pH-Value	7.00

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

There are no known reactivity hazards associated with this product.

10.2. Chemical stability:

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions:

Hazardous Polymerisation N/A

10.4. Conditions to avoid:

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials:

None known.

10.6. Hazardous decomposition products:

None under normal conditions.

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SECTION 11: TOXICOLOGICAL INFORMATION11.1. Information on toxicological effects:

Inhalation:	May cause drowsiness or dizziness. Vapours may irritate throat and/or respiratory system.
Ingestion:	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
Skin contact:	Prolonged or excessively exposure may cause skin dryness or cracking.
Eye contact:	Irritating to eyes. Symptoms following overexposure may include the redness &/or pain.

11.2. Toxicological information on ingredients:

SODIUM XYLENE SULPHONATE (CAS: 1300-72-7)

Acute Toxicity (Oral LD50)
> 7000 mg/kg Rat
Acute Toxicity (Dermal LD50)
> 2000 mg/kg
REACH dossier information

PROPAN-2-OL (CAS: 67-63-0)

Acute Toxicity (Oral LD50)
5.84 g/kg Rat
Acute Toxicity (Dermal LD50)
16.4 mL/kg Rabbit
Acute Toxicity (Inhalation LC50)
> 10000 ppm (vapours) Rat
REACH dossier information

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity

Dangerous for the environment if discharged into watercourses. The product is easily biodegradable.

12.1. Toxicity

Ecological information on ingredients:

SODIUM XYLENE SULPHONATE (CAS: 1300-72-7)

Acute Toxicity - Fish
LC50 96 hours > 1000 mg/l Onchorhynchus mykiss (Rainbow trout)
Acute Toxicity - Aquatic Invertebrates
EC50 48 hours > 1020 mg/l Daphnia magna
Acute Toxicity - Aquatic Plants
EC50 96 hours 758 mg/l Pseudokirchnerella subcapitata
REACH dossier information

PROPAN-2-OL (CAS: 67-63-0)

Acute Toxicity - Fish
LC50 9640 mg/l Pimephales promelas (Fat-head Minnow)
Acute Toxicity - Aquatic Invertebrates
LC50 24 hours > 10000 mg/l Daphnia magna
Acute Toxicity - Aquatic Plants
Toxicity threshold 168 hours 1800 mg/l Scenedesmus quadricauda
REACH dossier information

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12.2. Persistence and degradability

Degradability: The surfactant(s) contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential No data available on bioaccumulation.

12.5. Results of PBT and vPvB assessment Not determined.

12.6. Other adverse effects Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

General information: Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Consign empty container to normal waste.

13.1. Waste treatment methods

Dispose of waste in accordance with local regulations. Recover, reclaim or recycle, where possible.

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods:

REGULATIONS	CLASS
RID/ADR:	3: Flammable liquids.
ICAO/IATA-DGR:	Not Classified
GGVSee/IMDG-Code:	3

14.1. UN number 1987

14.2. UN proper shipping name ALCOHOLS, N.O.S. (isopropanol)

14.3. Transport hazard class(es)

30 Flammable liquid (flash-point between 23°C and 61°C, inclusive) or flammable liquid or solid in the molten state with a flash-point above 61°C, heated to a temperature equal to or above its flash-point, or self-heating liquid.

14.4. Packing Group II

14.5. Environmental Hazards

Environmentally Hazardous Substance/Marine Pollutant: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments

Corresponding to Preparations Regulations S.I. No. 62 of 2004

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.

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EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments

Re-issued according to Regulation (EU) No 453/2010.

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Risk Phrases In Full

R10 Flammable

R36 Irritating to eyes

Hazard Statements In Full

H225 Highly flammable liquid & vapour

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.