



PRODUCT INFORMATION SHEET

WINDOW CLEANER

WINDOW, GLASS & MIRROR CLEANER

PRODUCT INFORMATION:

Concentrated, high performance window cleaner is specially blended with low foaming detergents to cut through film, haze, smudges, dirt, greasy soot & other industrial soils to leave a streak free finish

ADVANTAGES:

GENERAL PURPOSE APPLICATION:

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

COST EFFECTIVE CONCENTRATED DILUTION:

Concentrated solution should be diluted at 40mls to 730mls water therefore reducing & controlling costs. 125 x 750ml Trigger Spray Bottles per 5Lt

EFFECTIVE SOIL REMOVAL:

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

NON-STREAKING:

Window Cleaner leaves a clear, sparkling, streak and stain free surface without leaving a film.

NON-FOAMING:

This makes Window Cleaner particularly suitable for industrial and institutional cleaning-in-place-systems.

BIODEGRADABLE:

Readily biodegradable water based cleaner.

DIRECTIONS FOR USE:

Dilute up to 1:20 (or 40mls in a 750ml trigger spray bottle) with potable water. Apply by spray directly onto surface & wipe clean immediately with a clean, dry cloth. (1 x 5Lt = 125 x 750ml Trigger spray bottles) Do not mix with other detergents

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: 750ml Trigger Spray; 5Lt 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)

Page 1 of 7

Date of issue: 01.01.17

Replaces version of: 01.01.15

PRODUCT NAME: WINDOW CLEANER

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

1.1. Product identifier

Product Name WINDOW CLEANER
Product No. HR 510

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 Total Cleaning Supplies
Limerick: 061 436 402 | Cork: 021 435 5262
sales@totalcleaningsupplies.ie
www.totalcleaningsupplies.ie

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: H227, H319, H336
Human health: Combustible Liquid. Causes serious eye irritation. May cause drowsiness or dizziness
Environment: This product is Readily Biodegradable and not expected to be hazardous to the environment

2.2. Label elements

Detergent Labelling: Contains: Isopropyl Alcohol
Labelling



WARNING

| | | |
|--------------------------|--|---|
| Hazard Phrases | H227 H319 H336 | Combustible Liquid Causes serious eye irritation May cause drowsiness or dizziness |
| Precautionary Statements | P210 P280 P264 P305, 351 338, 337 313 P261 P271 P403, 405, 235 P304 & 340 P370 & 378 P501 | Keep away from flames & hot surfaces. No smoking Wear protective gloves, eye & face protection Wash hands thoroughly after handling 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 Avoid breathing vapours or spray mist Use only outdoors or in a well-ventilated area Store locked up in a well ventilated place. Keep cool. 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. In case of fire: Use Alcohol-resistant foam, carbon dioxide, dry powder or water fog to extinguish Dispose of contents/container to in accordance with local regulations. Recover, reclaim or recycle, where possible. |

2.3. Other hazards N/A

Safety Data Sheet

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

Page 2 of 7

Date of issue: 01.01.17

Replaces version of: 01.01.15

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 | | |
| 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 | | |

A Full Text for all 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 inhalation, 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.

Safety Data Sheet

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

Page 3 of 7

Date of issue: 01.01.17

Replaces version of: 01.01.15

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 STORAGE

7.1 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.

Safety Data Sheet

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

Page 4 of 7

Date of issue: 01.01.17

Replaces version of: 01.01.15

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.
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/m ³ | Ppm | mg/m ³ | |
| 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

- | | | |
|----|---|------------------------|
| a) | Appearance: | Blue Liquid. |
| b) | Odour: | Faint Alcohol |
| c) | Odour threshold: | N/A |
| d) | pH: | 7+/-0.5 (undiluted) |
| e) | Melting point / freezing point: | -11 to -12°C |
| f) | Initial boiling point & boiling range: | 85°C |
| g) | Flash point: | >38°C |
| h) | Evaporation rate: | No data available |
| i) | Flammability solid, gas: | No data available |
| j) | Upper/lower flammability or explosive limits: | No data available |
| k) | Vapour pressure: | No data available |
| l) | Vapour density: | No data available |
| m) | Relative density: | 0.95kg/dm ³ |
| n) | Solubility(ies): | Soluble in Water |
| o) | Partition coefficient: n-octanol/water: | No data available |
| p) | Auto-ignition temperature: | No data available |
| q) | Decomposition temperature: | No data available |
| r) | Viscosity: | No data available |
| s) | Explosive properties: | No data available |
| t) | Oxidizing properties: | No data available |

Safety Data Sheet

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

Page 5 of 7

Date of issue: 01.01.17

Replaces version of: 01.01.15

SECTION 10: STABILITY AND REACTIVITY

| | |
|--|--|
| <u>10.1. Reactivity:</u> | Strong oxidising agents. Strong acids. |
| <u>10.2. Chemical stability:</u> | Stable under normal temperature conditions and recommended use. |
| <u>10.3. Possibility of hazardous reactions:</u> | Hazardous Polymerisation N/A |
| <u>10.4. Conditions to avoid:</u> | Avoid heat, flames and other sources of ignition. Do not mix with strong acids or oxidising agents |
| <u>10.5. Incompatible materials:</u> | None known. |
| <u>10.6. Hazardous decomposition products:</u> | None under normal conditions. |

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. 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

Safety Data Sheet

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

Page 6 of 7

Date of issue: 01.01.17

Replaces version of: 01.01.15

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

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

REGULATIONS

RID/ADR:

ICAO/IATA-DGR:

GGVSee/IMDG-Code:

CLASS

3: Flammable liquids.

Not Classified

3

14.1. UN number

1987

14.2. UN proper shipping name

ALCOHOLS, N.O.S. (isopropanol)

14.3. Transport hazard class(es)

Class 3. F3 Articles containing flammable liquids

14.4. Packing Group

III

14.5. Environmental Hazards

Environmentally Hazardous Substance/Marine Pollutant: N/A

Safety Data Sheet

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

Page 7 of 7

Date of issue: 01.01.17

Replaces version of: 01.01.15

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.

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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Hazard Statements In Full

H225 Highly flammable liquid & vapour

H227 Combustible Liquid

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

H335 May cause respiratory irritation

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.