



SAFETY DATA SHEET

UNGER PRO FORMULA WINDOW CLEANER

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & COMPANY

Name: Unger Liquid / Window Cleaning Soap
CAS No.: Mixture
Product Use: Glass Cleaner
Supplier: Hugh Crane (Cleaning Equipment) Ltd.
South Walsham Road, Acle,
Norwich, NR13 3ES
Tel (01493) 750072 Fax (01493) 751854

2. HAZARDS IDENTIFICATION

Emergency Overview: Non hazardous by WHMIS/OSHA criteria.

Potential Short Term Health Effects

Route of Exposure: Eyes, Skin contact, Inhalation, Ingestion.

Eyes: May cause irritation

Skin: May cause irritation.

Inhalation: Extensive intentional inhalation may cause respiratory tract irritating and central nervous system effects (headache, dizziness)

Ingestion: May cause stomach distress, nausea or vomiting.

Target Organs: Eyes. Skin.

Chronic Effects: Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.

Signs & Symptoms: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

OSHA Regulatory Status: This product is NOT known to be a 'Hazardous Chemical' as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Potential Environmental Effects: This product has not been tested.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition Comments: This product is considered Non hazardous by WHMIS/OSHA criteria

4. FIRST AID MEASURES

First Aid Procedures

Eye Contact: Flush with cool water. Remove contact lenses if applicable, and continue flushing. Obtain medical attention if irritation persists.

Skin Contact: Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Inhalation: If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion: Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if a victim is unconscious or is convulsing. Obtain medical attention.

Notes to Physician: Symptoms may be delayed.

General Advice: Keep away from sources of ignition. No smoking. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this Safety Data Sheet to the doctor in attendance. Avoid contact with the eyes and skin. Keep out of reach of children.

5. FIRE FIGHTING MEASURES

Flammable Properties: Not flammable by WHMIS/OSHA criteria.

Extinguishing Media

Suitable Extinguishing Media: Fog. Foam. Carbon Dioxide. Dry chemical.

Unsuitable Extinguishing Media: Not available.

Protection of Fire Fighters

Specific Hazards Arising From

The Chemical: Not available

Protective Eqpt for Fire fighters: Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous Combustion Products: May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

Explosion Data

Sensitivity to Mechanical Impact: Not available

Sensitivity to Static Discharge: Not available



6. ACCIDENTAL RELEASE PROCEDURES

Personal Precautions:	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away and upwind of spill/leak.
Environmental Precautions:	Do not discharge into lakes, streams, ponds or public waters.
Methods for Containment:	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Methods for Cleaning Up:	remove sources of ignition. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

7. HANDLING AND STORAGE

Handling:	Use good industrial hygiene practices in handling this material. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.
Storage:	Keep out of reach of children. Do not store at temperatures over 120°F (49°C). Store in a closed container away from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:	General ventilation normally adequate.
------------------------------	----------------------------------------

Personal Protective Equipment

Eye/Face Protection:	Wear safety glasses with side shields.
Hand Protection:	Rubber gloves. Confirm with a reputable supplier first.
Skin & Body Protection:	As required by employer code.
Respiratory Protection:	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
General Hygiene Considerations:	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear
Colour:	Clear green
Form:	Liquid
Odour:	Pleasant
Odour Threshold:	Not available.
Physical State:	Liquid
pH:	9.5 – 10.5
Melting Point:	Not available
Freezing Point:	Not available
Boiling Point:	<212°F (<100.00°C)
Pour Point:	Not available
Evaporation Rate :	Not available
Flash Point :	<205 °F (>96.11 °C) Tag closed cup
Autoignition Temperature :	Not available
Flammability Limits In Air, Lower. % by Volume:	Not available
Flammability Limits In Air, Upper. % by Volume:	Not available
Vapour Pressure:	Not available
Vapour Density:	Not available
Specific Gravity:	1.004
Octanol/Water Coefficient:	Not available
Solubility (H₂O):	Complete.
VOC (Weight %)	< 1%
Viscosity:	Wafer thin
Percent Volatile:	Not available

10. STABILITY AND REACTIVITY

Reactivity:	This product may react with strong acids.
Possibility of Hazardous Reactions:	Hazardous polymerisation does not occur.
Chemical Stability:	Stable under recommended storage conditions.
Conditions to avoid:	Avoid high temperature. Do not mix with other chemicals.
Incompatible Materials:	Acids. Oxidisers.



Hazardous Decomposition Products: May include and are not limited to: Oxides of carbon, Oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

Effects of Acute Exposure

Eye: May cause irritation.
Skin: May cause irritation.
Inhalation: Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
Ingestion: May cause stomach distress, nausea or vomiting.
Sensitisation: Non hazardous by WHMIS/OSHA criteria.
Chronic Effects: Non hazardous by WHMIS/OSHA criteria.
Carcinogenicity: Non hazardous by WHMIS/OSHA criteria.
Mutagenicity: Non hazardous by WHMIS/OSHA criteria.
Reproductive Effects: Non hazardous by WHMIS/OSHA criteria.
Teratogenicity: Non hazardous by WHMIS/OSHA criteria.
Name of Toxicologically Synergistic Products: Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available
Persistence/Degradability: Not available
Bioaccumulation/Accumulation: Not available
Mobility in Environmental Media: Not available
Environmental Effects: Not available
Aquatic Toxicity: Not available
Partition Coefficient: Not available
Chemical Fate Information: Not available
Other Adverse Effects: Not available

13. DISPOSAL CONSIDERATIONS

Disposal Instructions: Dispose in accordance with all applicable regulations.
Waste from Residues/Unused Products: Not available.
Contaminated Packaging: Not available.

14. TRANSPORT REGULATIONS

US Dept of Transport (DOT): Not regulated as dangerous goods.
Transportation of Dangerous Goods (TDG-Canada): Not regulated as dangerous goods.

XXX

15. REGULATORY INFORMATION

Canadian Federal Regulations: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Status: Not controlled

Occupational Health & Safety Administration (OSHA)

29 CFR 1910.2000 Hazardous: No
Chemical

US Federal Regulations: This product is NOT known to be a 'Hazardous Chemical' as defined by OSHA Hazard Communication Standard 29 CFR 1910.2000

CERCLA (Superfund) Reportable Quality:

Formaldehyde 100.0000

Superfund Amendments and Reauthorisation Act of 1986 (SARA)

Hazard Categories:

Immediate Hazard:	No
Delayed Hazard:	No
Fire Hazard:	No
Pressure Hazard:	No
Reactivity Hazard:	No



Section 302 Extremely Hazardous Substance: No

Section 311 Hazardous Chemical: No

Clean Air Act (CAA): Not available

Clean Water Act (CWA): Not available

State Regulations: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Inventory Name

Country / Region	Inventory Name	On Inventory – Yes/No*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A 'yes' indicates that all components of this product comply with the inventory requirements administered by the governing country(ies).

16. OTHER INFORMATION

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 1
Flammability	0
Physical Hazard	0
Personal Protection	B



Disclaimer:

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Issue Date: 30 March 2011

End of Safety Data Sheet