

## GLASS AND CHROME CLEANER

### FEATURES & APPLICATIONS

Glass and Chrome trigger spray is made to a unique formula which cuts through dirt and grease easily. Leaving surfaces free of streaks and smears, with a fresh apple fragrance after use. The active ingredient in vinegar is present in the formulation and this gives an added sparkle to surfaces.

### APPLICATION DETAILS

Task	Maximum Dilution	How To Use
Cleaning windows, mirrors, chrome, tiles, formica and ceramics.	Use undiluted	Spray onto surface from a distance of 30cm or so. Wipe off with a soft, dry cloth. Use sparingly to avoid streaking.

### PRODUCT AND PACKAGING INFORMATION

**Appearance & Odour:** Clear colourless liquid with fresh apple fragrance.

**Chemical Description:** An aqueous solution of solvents, surfactant, bactericide, acid and perfume.

**Packaging:** 6 x 750ml

**Shelf Life:** 2 years

### ENVIRONMENTAL INFORMATION

**General Information:** This product should have little ecological impact.

#### Environmental Checklist:

Biodegradable detergents	Yes	CFC free	Yes	Solvent free	No
Phosphate free	Yes	Acid/alkali free	No	Free of dyes/perfumes	No
Recyclable packaging	Yes	Biodegradable container	No	Biodegradable outer box	Yes

FURTHER INFORMATION AVAILABLE ON REQUEST

# PRODUCT SAFE HANDLING SHEET UNICO

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

<b>Commercial Name</b> Intended/Recommended use	<b>Glass and Chrome Cleaner</b> Trigger-Spray Glass Cleaner	<b>Supplier</b> Address	<b>Unico Ltd</b> North Main Street, Carronshore, Falkirk FK2 8HT 01324 573400 01324 573401
<b>Issue Date</b> Issue Number	<b>20 October 2006</b> 3	<b>Telephone</b> Fax	

## 2. HAZARDS IDENTIFICATION

<b>Health Hazards</b>	This product has no classification according to Chemicals (Hazard Information Packaging and Supply) Regulations 2002.
<b>Other Hazards</b>	Ingestion: Possible mild to moderate gastro-intestinal irritation with nausea and vomiting. Eye Contact: Irritation likely. Skin Contact: Prolonged exposure may cause mild to moderate skin irritation. Inhalation: No ill effects expected. Ensure adequate ventilation.
<b>General Information</b>	Keep out of the reach of children.

## 3. COMPOSITION OF PRODUCT AND INFORMATION ON INGREDIENTS

<b>NAME</b>	<b>RANGE</b>	<b>EINECS</b>	<b>CAS No</b>	<b>CLASSIFICATION</b>
Propylene Glycol Ether Blend	1-10 %	249-598-7	029387-86-8	Xi,R10,R36/38
Acetic Acid (Glacial)	0.1-1%	200-580-7	64-19-7	C,R10,R35
Alkyl dimethyl betaine	< 0.1%	266-368-1	66455-29-6	Xi,R36/38
1,3-Propanediamine N-(C=10-16) alkyl derivatives reaction products with 2-chloroacetic acid	< 0.1%	-	139734-65-9	N,Xi,R38,R41,R50
Ethanol, 2, 2'-oxybis-	< 0.1%	203-872-2	111-46-6	Xn,R22
Perfume (Parfum)	< 0.1%	Mixed	Mixed	Xi, N, R43, R51/53
Butylphenyl Methylpropional (Lilial)	< 0.1%	-	80-54-6	-
Linalool	< 0.1%	-	78-70-6	-
Limonene	< 0.1%	-	5989-27-5	-

## 4. FIRST AID MEASURES

<b>Ingestion</b>	Do not induce vomiting – Drink a glass of water to dilute product. Act immediately to prevent further irritation of mouth, throat and stomach mucosa. Seek medical advice immediately.
<b>Inhalation</b>	No ill effects expected. If irritation is experienced go in open air and ventilate area. Mouth and throat may be rinsed with water. If irritation or asthma-like symptoms persist seek medical advice.
<b>Eye Contact</b>	Check for and remove contact lenses. Rinse thoroughly with plenty of water for several minutes. Seek medical advice.
<b>Skin Contact</b>	Rinse affected area with water. If needed apply cold compress to relieve irritation. If symptoms persist seek medical advice.

## 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use appropriate extinguishing media i.e. carbon dioxide, foam powder.
<b>Hazardous Combustion Products</b>	Fumes may contain poisonous COx.
<b>Special Fire Fighting Equipment</b>	Fire fighters should wear self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Wear eyeshields and protective clothing with safety shoes/boots.
<b>Environmental Precautions</b>	Avoid spillage into surface water or vegetation.
<b>Cleanup Methods</b>	Hose away with plenty of water, diluting well unless this would contaminate a watercourse or vegetation. In which case mop up or absorb with an inert material and dispose of safely as commercial waste.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Take care when dispensing product from container and assure adequate ventilation. Avoid contact with skin and eyes. Do not mix with other chemicals.
<b>Storage</b>	Store upright in original containers, in a cool dry area out of the reach of children.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Respiratory Protection</b>	Personal protection is not normally required unless a risk assessment indicates the need for it. In which case wear a facemask with a suitable filter.
<b>Hand Protection</b>	For prolonged contact, the use of impermeable gloves is recommended.
<b>Eye Protection</b>	Eye protection should be worn to prevent contact.
<b>Skin Protection</b>	Personal protection is not normally required unless a risk assessment indicates the need for it. In which case wear protective overalls and safety shoes/boots.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear liquid	<b>Flash Point (ACC)</b>	48°C
<b>Odour</b>	Apple	<b>Viscosity (20C)</b>	1 cp approx
<b>pH</b>	3.5 typically	<b>Water Solubility</b>	Soluble
<b>Boiling Point</b>	Approx 100°C	<b>Explosive Properties</b>	None
<b>Oxidising Properties</b>	None	<b>Vapour Pressure</b>	Not Applicable
<b>Fat Solubility</b>	-	<b>Relative Density</b>	1.00

## 10. STABILITY AND REACTIVITY

<b>Conditions to avoid</b>	Extreme heat or cold
<b>Materials to avoid</b>	None known
<b>Hazardous decomposition products</b>	None known

## 11. TOXICOLOGICAL INFORMATION

<b>Swallowing</b>	Internal irritation likely, may cause vomiting. If large quantities are ingested, treat symptomatically. Do not induce vomiting.
<b>Inhalation</b>	No ill effects expected.
<b>Skin Contact</b>	The product is considered relatively harmless to the skin. Irritation and skin reactions are possible with sensitive skin.
<b>Eye Contact</b>	Irritation likely. Immediately flush with water for 15 minutes. Seek medical advice.

## 12. ECOLOGICAL INFORMATION

<b>Degradability</b>	The surfactants contained in this preparation are biodegradable.
<b>Bioaccumulation Potential</b>	When used for its intended purpose this product should not cause adverse effects in the environment.
<b>Aquatic Toxicity</b>	This product is not considered harmful to aquatic organisms if well diluted.

## 13. DISPOSAL CONSIDERATIONS

Contact a reputable waste-disposal company. National or regional legislation may cover this products disposal.

## 14. TRANSPORT

Not regulated for transport.

## 15. REGULATORY INFORMATION

<b>Symbol</b>	None	<b>Hazard</b>	None
<b>Named Ingreds</b>	Not Applicable	<b>Risk Phrases</b>	Not Applicable
<b>Safety Phrases</b>	Not Applicable		

Complies with Chemicals (Hazard Information Packaging and Supply) Regulations 2002.

## 16. OTHER INFORMATION

This product does not require any special training before use. Usage and handling instructions are mentioned on package and on this Material Safety Data Sheet. This health and safety information refers to the concentrated product. Diluted solutions can be considered to be significantly less hazardous although they should always be handled with care.

Ingredients according to EC 648/2004  
<5% Alkyl Dimethyl Betaine  
<5% Glacial Acetic Acid  
<5% Bactericide  
<5% Perfume  
Perfume Allergens: Butylphenyl Methylpropional (Lilial) , Linalool , Limonene.

Description of Risk Phrases (Ingredients only).  
R10 Flammable R22 Harmful if swallowed. R35 Causes severe burns. R36/38 Irritating to eyes and skin.  
R41 Risk of serious damage to eyes. R43 May cause sensitisation by skin contact. R50 Very toxic to aquatic organisms.  
R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. R52 Harmful to aquatic organisms.  
R53 May cause long term adverse effects in the aquatic environment.