



## SAFETY DATA SHEET GLASS CLEANER

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name                      GLASS CLEANER

Product code                      MCL2945

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

Identified uses                      Glass cleaner.

Uses advised against              No specific uses advised against are identified.

#### 1.3. Supplier

**Details of the supplier of the safety data sheet** Ultimotive  
4 Altbarn Close  
Severalls Business Park  
Colchester  
Essex  
CO4 9HY  
+44 (0)1206 855232  
info@ultimotive.co.uk

#### 1.4. Emergency telephone number

Emergency telephone              +44 (0)1206 855232 (Mon-Fri 9:00am-5:00pm GMT)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical hazards                      Flam. Liq. 3 - H226

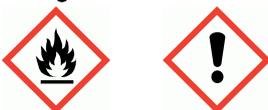
Health hazards                      Eye Irrit. 2 - H319

Environmental hazards              Not Classified

Classification (67/548/EEC or 1999/45/EC) Xi; R36. R10

#### 2.2. Label elements

##### Pictogram



Signal word                              Warning

Hazard statements                      H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.

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<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p>
<b>Supplementary precautionary statements</b>	<p>P233 Keep container tightly closed.</p> <p>P240 Ground and bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use non-sparking tools.</p> <p>P243 Take action to prevent static discharges.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Detergent Labelling</b>	<5% non-ionic surfactants

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>propan-2-ol</b> <span style="float: right;"><b>10-30%</b></span>		
CAS number: 67-63-0	EC number: 200-661-7	REACH registration number: 01-2119457558-25-XXXX
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336		
<b>D-glucopyranose, oligomers, decyl octyl glycosides</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 68515-73-1	EC number: 500-220-1	
<b>Classification</b> Eye Dam. 1 - H318	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi; R41	

The 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

<b>General information</b>	If in doubt, get medical attention promptly.
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Give plenty of water to drink. Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Rinse with water.

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**Eye contact** Remove affected person from source of contamination. Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 10 minutes. Get medical attention if any discomfort continues.

**Protection of first aiders** First aid personnel should wear appropriate protective equipment during any rescue.

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

**General information** Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.

**Inhalation** May cause discomfort. A single exposure may cause the following adverse effects: Irritation of nose, throat and airway.

**Ingestion** May cause discomfort if swallowed. A single exposure may cause the following adverse effects: Irritation. Nausea, vomiting.

**Skin contact** May cause discomfort. May be slightly irritating to skin and eyes. A single exposure may cause the following adverse effects: Irritation. Prolonged and frequent contact may cause redness and irritation.

**Eye contact** A single exposure may cause the following adverse effects: Irritation. Prolonged or repeated exposure may cause severe irritation.

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

**Notes for the doctor** Treat symptomatically.

**Specific treatments** Not applicable.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media** Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** None known.

### **5.2. Special hazards arising from the substance or mixture**

**Specific hazards** The product is flammable.

**Hazardous combustion products** Oxides of carbon.

### **5.3. Advice for firefighters**

**Protective actions during firefighting** Avoid breathing fire gases or vapours.

**Special protective equipment for firefighters** Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with eyes and prolonged skin contact.

### **6.2. Environmental precautions**

**Environmental precautions** No negative effects on the aquatic environment are known. Not regarded as dangerous for the environment.

### **6.3. Methods and material for containment and cleaning up**

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**Methods for cleaning up**      Contain spillage with sand, earth or other suitable non-combustible material. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### 6.4. Reference to other sections

**Reference to other sections**      For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions**              Avoid contact with eyes and prolonged skin contact.

**Advice on general occupational hygiene**      Clean equipment and the work area every day. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions**              Store in tightly-closed, original container in a dry, cool and well-ventilated place. Decant into a smaller spray bottle when required

### 7.3. Specific end use(s)

**Specific end use(s)**              The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### **propan-2-ol**

EH40 WEL, Time Weighted Average (TWA): 400ppm, 999mg/m<sup>3</sup>

EH40 WEL, Short Term Exposure Limit (STEL): 500ppm, 1250 mg/m<sup>3</sup>

ELV (IE), Short Term Exposure Limit (STEL): 400 ppm

ELV (IE), Time Weighted Average (TWA): 200 ppm

##### **D-glucopyranose, oligomers, decyl octyl glycosides**

No data available

**Ingredient comments**              Exposure limits are for individual components

#### propan-2-ol (CAS: 67-63-0)

#### **DNEL**

Workers - Dermal; Long term systemic effects: 888 mg/kg/day  
 Workers - Inhalation; Long term systemic effects: 500 mg/m<sup>3</sup>  
 Consumer - Dermal; Long term systemic effects: 319 mg/kg/day  
 Consumer - Inhalation; Long term systemic effects: 89 mg/m<sup>3</sup>  
 Consumer - Oral; Long term systemic effects: 26 mg/kg/day

#### **PNEC**

- Fresh water; 140.9 mg/l  
 - Marine water; 140.9 mg/l  
 - Intermittent release; 140.9 mg/l  
 - STP; 2251 mg/l  
 - Sediment; 552 mg/kg  
 - Soil; 28 mg/kg

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### D-glucopyranose, oligomers, decyl octyl glycosides (CAS: 68515-73-1)

<b>DNEL</b>	Workers - Dermal; systemic effects: 595000 mg/kg
	Workers - Inhalation; systemic effects: 420 mg/m <sup>3</sup>
	Consumer - Dermal; systemic effects: 357000 mg/kg
	Consumer - Inhalation; systemic effects: 124 mg/m <sup>3</sup>
	Consumer - Oral; systemic effects: 35.7 mg/kg
<b>PNEC</b>	- Fresh water; 0.1 mg/l
	- Marine water; 0.01 mg/l
	- Sediment (Freshwater); 0.487 mg/kg
	- Sediment (Marinewater); 0.048 mg/kg
	- STP; 560 mg/l
	- Soil; 0.654 mg/kg

### 8.2. Exposure controls

#### Protective equipment



<b>Appropriate engineering controls</b>	Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.
<b>Eye/face protection</b>	Contact lenses should not be worn when working with this chemical. Chemical splash goggles.
<b>Hand protection</b>	Wear protective gloves. To protect hands from chemicals, gloves should comply with European Standard EN374.
<b>Other skin and body protection</b>	Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
<b>Hygiene measures</b>	Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Wash promptly with soap and water if skin becomes contaminated. Wash contaminated clothing before reuse.
<b>Respiratory protection</b>	No specific recommendations.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use.

## SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Blue.
<b>Odour</b>	Alcoholic.
<b>pH</b>	pH (concentrated solution): 7
<b>Melting point</b>	~-4°C
<b>Flash point</b>	~ 39°C Closed cup.
<b>Flammability (solid, gas)</b>	Potentially flammable vapour

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<b>Upper/lower flammability or explosive limits</b>	Explosive limits given for pure propan-2-ol Lower flammable/explosive limit: 2 % (V) Upper flammable/explosive limit: 12 % (V)
<b>Vapour pressure</b>	~2.6 kPa @ 20°C
<b>Relative density</b>	~ 0.98
<b>Solubility(ies)</b>	Miscible with water.
<b>Explosive properties</b>	Formation of explosive air/vapour mixture is possible

### 9.2. Other information

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

##### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

##### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None known.

##### 10.4. Conditions to avoid

**Conditions to avoid** Avoid exposure to high temperatures or direct sunlight. Avoid freezing.

##### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents. Strong reducing agents.

##### 10.6. Hazardous decomposition products

**Hazardous decomposition products** May emit toxic fumes under fire conditions.

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

<b>Inhalation</b>	Vapours may irritate throat/respiratory system.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	May cause irritation.

##### Toxicological information on ingredients.

##### propan-2-ol

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,840.0

**Species** Rat

**ATE oral (mg/kg)** 5,840.0

##### Acute toxicity - dermal

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**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 13,900.0

**Species** Rabbit

**ATE dermal (mg/kg)** 13,900.0

**Acute toxicity - inhalation**

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 25.0

**Species** Rat

**D-glucopyranose, oligomers, decyl octyl glycosides**

**Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 2,000.0

**Species** Rat

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,000.0

**Species** Rat

### SECTION 12: Ecological Information

**Ecotoxicity** The product is not expected to be hazardous to the environment.

**12.1. Toxicity**

**Toxicity** Not applicable.

**Ecological information on ingredients.**

**propan-2-ol**

**Acute aquatic toxicity**

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)

**Acute toxicity - aquatic invertebrates** LC<sub>50</sub>, 24 hours: 9714 mg/l, Daphnia magna

**Acute toxicity - microorganisms** EC<sub>50</sub>, 72 hours: >100 mg/l, Scenedesmus subspicatus (algae)

**12.2. Persistence and degradability**

**Persistence and degradability** The product is biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential** The product is not bioaccumulating.

**12.4. Mobility in soil**

**Mobility** The product is soluble in water.

**12.5. Results of PBT and vPvB assessment**

**12.6. Other adverse effects**

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**Other adverse effects**                      None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information**                      Dispose of waste product or used containers in accordance with local regulations

### SECTION 14: Transport information

#### 14.1. UN number

**UN No. (ADR/RID)**                      1987

**UN No. (IMDG)**                      1987

**UN No. (ICAO)**                      1987

**UN No. (ADN)**                      1987

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)**                      ALCOHOLS, N.O.S. (ISOPROPANOL)

**Proper shipping name (IMDG)** ALCOHOLS, N.O.S. (ISOPROPANOL)

**Proper shipping name (ICAO)** ALCOHOLS, N.O.S. (ISOPROPANOL)

**Proper shipping name (ADN)** ALCOHOLS, N.O.S. (ISOPROPANOL)

#### 14.3. Transport hazard class(es)

**ADR/RID class**                      3

**ADR/RID classification code**                      F1

**ADR/RID label**                      3

**IMDG class**                      3

**ICAO class/division**                      3

**ADN class**                      3

#### **Transport labels**



#### 14.4. Packing group

**ADR/RID packing group**                      III

**IMDG packing group**                      III

**ADN packing group**                      III

**ICAO packing group**                      III

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

**EmS**                      F-E, S-D

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<b>ADR transport category</b>	3
<b>Emergency Action Code</b>	•3Y
<b>Hazard Identification Number (ADR/RID)</b>	30
<b>Tunnel restriction code</b>	(D/E)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

#### SECTION 15: Regulatory information

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

<b>EU legislation</b>	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 (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
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##### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### SECTION 16: Other information

<b>General information</b>	Only trained personnel should use this material.
<b>Issued by</b>	HS&E Manager.
<b>Revision date</b>	07/05/2019
<b>Revision</b>	5
<b>Supersedes date</b>	29/03/2019
<b>SDS number</b>	7665
<b>Risk phrases in full</b>	R10 Flammable. R11 Highly flammable. R36 Irritating to eyes. R67 Vapours may cause drowsiness and dizziness.
<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H318 Causes serious eye damage. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

**Code**

**Other Information**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.