

**1. Identification of the substance/mixture & of the company/undertaking****1.1 Product Identifier**Product Name: Glass and Stainless Steel Cleaner  
Product Code: WGL007DEL01R / WGL050DEL01R (ready-to-use)**1.2 Relevant identified uses of the substance or mixture and uses advised against**Use of the Substance/Mixture: Hard surface and glass cleaner.  
Recommended restrictions on use: We do not have information on restrictions. They will be included when available.**1.3 Details of the supplier of the safety data sheet**

Company: Delphis Eco, Unit 1, River Reach, Gartons Way, London SW11 3SX

**1.4 Emergency telephone number**

Emergency phone number: t. 0203 397 0096 (office hours only) f. 0870 974 7219 e: sales@delphiseco.com

**2. Hazards Identification****2.1 Classification of the substance or mixture**

Classification according to EU Directive 1999/45/EC

Hazard Symbol/Category of danger Risk Phrases  
None NoneClassification according to Regulation (EC) No 1272/2008: Refer to Section 16.  
For the wording of the listed R phrases or H statements, refer to section 16.**2.2 Label elements**Labelling according to EU Directive 1999/45/EC  
Safety Phrases S2: Keep out of reach of children.  
S24/25: Avoid contact with skin and eyes.

Labelling according to Regulation (EC) No 1272/2008: Refer to Section 16.

**2.3 Other hazards**

No other information is available.

**3. Composition/Information on Ingredients****3.2 Mixtures:**

Ingredient Name	Identifiers	Classification 67/548/EEC	Classification EC/1272/2008	Concentration Range
(2-Methoxymethylethoxy) Propanol	EC – 252-104-2 CAS – 34590-94-8	None	None	5-10%
2-Butoxyethanol	EC – 203-905-0 CAS – 111-76-2	Harmful R20/21/22 Irritant R36/38	Acute Tox 4 H332 Acute Tox 4 H312 Acute Tox 4 H302 Skin Irrit. 2 H315 Eye Irrit 2 H319	1-5%
2-Aminoethanol	EC – 205-483-3 CAS – 141-43-5	Harmful R20/21/22 Corrosive R34	Acute Tox 4 H332 Acute Tox4 H312 Acute Tox. 4 H302 Skin Corr 1B H314	<1%

For the wording of the listed R phrases or H statements, refer to section 16.

**4. First Aid Measures****4.1 Description of first aid measures**Eye contact: Avoid contact with eyes, if product gets into eyes, rinse with water.  
Skin contact: Avoid contact with skin, if product gets onto skin wash with water and remove contaminated clothing.  
Ingestion: Do not drink, if swallowed drinking water may be beneficial, do not induce vomiting.  
Inhalation: Avoid inhaling product, move to fresh air if in discomfort.**4.2 Most important symptoms and effects, both acute and delayed**

No further information available.

**4.3 Indication of immediate medical attention and special treatment needed**

Treatment: Treat symptomatically.

**5. Fire Fighting Measures****5.1 Extinguishing Media**Suitable Extinguishing Media: Foam, Dry Powder, Co2, fine water spray suitable.  
Unsuitable Extinguishing Media: None.**5.2 Special hazards arising from the substance or mixture**

Not classed as flammable, if involved in a fire may emit noxious fumes.

**5.3 Advice for fire fighters**

Wear self contained breathing apparatus and protective clothing. Cool closed containers exposed to the fire with water spray. Prevent water run-off from discharging into drains.

**6. Accidental Release Measures****6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves. Avoid contact with skin and eyes.

**6.2 Environmental precautions**

Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.

**6.3 Methods and materials for containment and cleaning up**

Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

**6.4 Reference to other sections**

For personal protection refer to section 8.

**7. Handling and Storage****7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Observe good standards of industrial hygiene. Keep in tightly closed containers. Take note of emission threshold.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep containers tightly closed. Store between 10-35°C. Protect from frost. Do not store in extremes of temperature or near foodstuffs.

**7.3 Specific end uses**

To be used as a hard surface and glass cleaner.

**8. Exposure Controls/Personal Protection****8.1 Control parameters**

Ingredient Name		8hr TWA	15min STEL
(2-Methoxymethylethoxy) propanol	WEL (skin)	50ppm	
2-Butoxyethanol	WEL (skin)	25ppm	50ppm
2-Aminoethanol	WEL (skin)	1ppm	3ppm
2-Aminoethanol	WEL	3ppm	6ppm

**8.2 Exposure controls**Respiratory Protection: Unlikely to be necessary where adequate ventilation is provided.  
Eyes: Eye protection should be worn.  
Hand: PVC or rubber gloves are recommended.  
Skin: Remove contaminated clothing and wash with soap and water.**8.2.3 Environmental exposure controls**

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

## our safety data sheet for...



Product name: Glass and Stainless Steel Cleaner  
Product code: WGL007DEL01R / WGL050DEL01R  
Page: 3 of 5

### 9. Physical and Chemical Properties

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

Appearance: Clear fluid  
Odour: Characteristic  
Odour Threshold: Not determined  
pH Neat: 11.50 typical  
Freezing Point: 0°C  
Initial Boiling Point & Boiling Range: 100°C  
Flash Point: Not determined  
Evaporation rate: Not determined  
Flammability: Not flammable  
Upper/Lower Flammability Limits: Not determined  
Vapour Pressure: Water=18mm Hg  
Vapour Density: Not determined  
Relative Density: 0.950 – 1.050 typical @ 20°C  
Solubility: Soluble in water  
Partition Coefficient (Oct/Water): Not determined  
Auto Ignition Temperature: >100°C  
Decomposition Temperature: >100°C  
Viscosity: Not determined  
Explosive Properties: Not determined  
Oxidising Properties: Not applicable

#### 9.2 Other Information

No other information available.

### 10. Stability and Reactivity

#### 10.1 Reactivity

No information available.

#### 10.2 Chemical Stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

No information available.

#### 10.4 Conditions to Avoid

High temperatures, naked flames.

#### 10.5 Incompatible materials

Strong oxidising agents.

#### 10.6 Hazardous decomposition products

Oxides of carbon, water vapour and unidentified organic and inorganic compounds, some of which may be toxic may be evolved. Product is stable under normal conditions.

### 11. Toxicological Information

#### 11.1 Information on toxicological effects

Eyes: Not classified as an eye irritant. Contact with the product may cause temporary irritation and stinging.  
Skin: Not classified as a skin irritant. Brief or occasional contact is unlikely to cause any significant reaction. Prolonged or repeated contact with the product may lead to de-fatting of the skin and slight irritation.  
Inhalation: Excessive exposure to mists or vapour caused by atomising systems may cause irritation to eyes and respiratory tract.  
Ingestion: May irritate mouth, throat and gastro intestinal tract. Swallowing of small amounts is not likely to cause serious discomfort. If swallowed in larger quantities may cause vomiting and diarrhoea.

Acute Toxicity:	(2-Methoxymethylethoxy)	LD50 Oral (rat)	>2000 mg/kg
	propanol	LD50 Skin (rat)	>5000 mg/kg
	2-Aminoethanol	LD50 Oral (rat)	1090 mg/kg
	2-Butoxyethanol	LD50 Oral (rat)	560 mg/kg

## our safety data sheet for...



Product name: Glass and Stainless Steel Cleaner  
Product code: WGL007DEL01R / WGL050DEL01R  
Page: 4 of 5

### 12. Ecological Information

#### 12.1 Toxicity

Eco-toxicity:	(2-Methoxymethylethoxy)	LC50 96hrs (fish)	>10000 mg/l
	propanol	EC50 48hrs (daphnia)	1919mg/l
2-Aminoethanol	2-Butoxyethanol	LC50 72hrs (algae)	>100 mg/l
		LC50 96hrs (fish)	125 mg/l
	EC50 48hrs (daphnia)	33mg/l	
	LC50 96hrs (fish)	1490 mg/l	
2-Butoxyethanol	EC50 24hrs (daphnia)	1720 mg/l	
	EC50 168hrs (algae)	900 mg/l	

#### 12.2 Persistence and Degradability

The product is readily biodegradable.

#### 12.3 Bio-accumulative potential

Not expected to bio-accumulate.

#### 12.4 Mobility in soil

Soluble in water.

#### 12.5 Results of PBT and vPvB assessment

No information.

#### 12.6 Other adverse effects

Not known.

### 13. Disposal Recommendations

#### 13.1 Waste treatment methods

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations. Dispose of empty containers in accordance with local and national regulations. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

### 14. Transport Information

Product is not classified as hazardous for transport.

### 15. Regulatory Information

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

Safety data sheet according to Regulation (EC) No. 453/2010. This mixture has been classified and labelled in accordance with 1999/45/EC. Classification in accordance with EC 1272/2008 is derived from Annex VII in accordance with Article 61 paragraph 5. 1907/2006/EC - Registration, Evaluation, Authorisation and Restriction of Chemicals and amendments. 98/24/EC - Protection of workers from the risk related to chemical agents at work. Refer to Directive for details of requirements. 1272/2008 - Classification, labelling and packaging of substances and mixtures and amendments. Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s). The regulatory information provided may not be comprehensive. Other regulations may apply to this product.

#### 15.2 Chemical safety assessment

No information at the present time.

## our safety data sheet for...



Product name: Glass and Stainless Steel Cleaner  
Product code: WGL007DEL01R / WGL050DEL01R  
Page: 5 of 5

### 16. Other Information

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Hazard Statements
None	None	None

Labelling according to Regulation (EC) No 1272/2008

Hazard Symbols	Signal word	Hazard Statements
None	None	None

Precautionary Statements:

General: P102: Keep out of reach of children.

Prevention: P262: Do not get in eyes, on skin or on clothing.  
P280: Wear protective gloves/eye protection.

Full text of R-phrases referred to under sections 2 & 3:

R34: Causes burns.  
R36/38: Irritating to eyes and skin.  
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

Full text of H-Statements referred to under sections 2 & 3:

H302: Harmful if swallowed.  
H312: Harmful in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H332: Harmful if inhaled.

Training Advice: Normal use of this product shall imply use in accordance with the instructions on the packaging. Users should be trained in good industrial hygiene practise. This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

Do not mix with other chemicals.

Date: 25.07.13

Legal Disclaimer: The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy himself that the product is entirely suitable for his purpose.

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msds according to regulation (EC) no. 453/2010