

## 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 number                4103-6

#### 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                        STOVAX LIMITED  
                                      FALCON ROAD  
                                      SOWTON INDUSTRIAL ESTATE  
                                      EXETER  
                                      DEVON  
                                      EX2 7LF  
                                      +44 (0) 1392 474000  
                                      +44 (0) 1392 219932  
                                      info@stovax.com

#### 1.4. Emergency telephone number

Emergency telephone        +44 (0) 1392 474000

### SECTION 2: Hazards identification

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

##### Classification

Physical hazards                Met. Corr. 1 - H290  
Health hazards                 Skin Irrit. 2 - H315 Eye Dam. 1 - H318  
Environmental hazards        Aquatic Chronic 3 - H412

Classification (67/548/EEC or Xi;R38,R41.  
1999/45/EC)

#### 2.2. Label elements

##### Pictogram



Signal word                    Danger

Hazard statements            H315 Causes skin irritation.  
                                      H412 Harmful to aquatic life with long lasting effects.  
                                      H290 May be corrosive to metals.  
                                      H318 Causes serious eye damage.

## GLASS CLEANER

Precautionary statements	<p>P273 Avoid release to the environment.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</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>P310 Immediately call a POISON CENTER/doctor.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/attention.</p> <p>P501 Dispose of contents/container in accordance with national regulations.</p> <p>P280 Wear protective clothing, gloves, eye and face protection.</p>
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Contains SODIUM HYDROXIDE

Detergent labelling < 5% aliphatic hydrocarbons,< 5% cationic surfactants,< 5% EDTA and salts thereof,< 5% non-ionic surfactants

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

SODIUM BENZOATE			1-5%
CAS number: 532-32-1	EC number: 208-534-8		
Classification	Classification (67/548/EEC or 1999/45/EC)		
Eye Irrit. 2 - H319	-		
(2-methoxymethylethoxy)propanol			1-5%
CAS number: 34590-94-8	EC number: 252-104-2	REACH registration number: 01-2119450011-60-XXXX	
Classification	Classification (67/548/EEC or 1999/45/EC)		
Not Classified	-		
SODIUM CARBONATE			1-5%
CAS number: 497-19-8	EC number: 207-838-8	REACH registration number: 01-2119485498-19-0000	
Classification	Classification (67/548/EEC or 1999/45/EC)		
Eye Irrit. 2 - H319	Xi;R36		
ALKYL AMINE OXIDE			1-5%
CAS number: 68955-55-5	EC number: 273-281-2	REACH registration number: 01-2119490061-47-0000	
M factor (Acute) = 1			
Classification	Classification (67/548/EEC or 1999/45/EC)		
Acute Tox. 4 - H302	Xi;R38,R41. N;R50.		
Skin Irrit. 2 - H315			
Eye Dam. 1 - H318			
Aquatic Acute 1 - H400			
Aquatic Chronic 2 - H411			

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SODIUM HYDROXIDE		1-5%
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27
Classification Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) C;R35	
PROPYLENE GLYCOL n-BUTYL ETHER		1-5%
CAS number: 5131-66-8	EC number: 225-878-4	REACH registration number: 01-2119475527-28-xxxx
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xi;R36/38.	
Tetrasodium ethylenediaminetetraacetate		1-5%
CAS number: 64-02-8	EC number: 200-573-9	REACH registration number: 01-2119486762-27-xxxx
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xn;R20/22. Xi;R41.	
Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides		<1%
CAS number: —	EC number: 939-350-2	
M factor (Acute) = 10		
Classification Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC or 1999/45/EC) Xn;R22. C;R34. N;R50.	

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

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention immediately.
Skin contact	Rinse immediately with plenty of water. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

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Eye contact                      Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately.

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

Inhalation                      Upper respiratory irritation.  
 Ingestion                      May cause discomfort if swallowed.  
 Skin contact                    Causes skin irritation.  
 Eye contact                      Causes serious eye damage.

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

Notes for the doctor            Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

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

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

Hazardous combustion products      Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Hydrogen chloride (HCl). Nitrous gases (NO<sub>x</sub>).

### 5.3. Advice for firefighters

Protective actions during firefighting      No specific firefighting precautions known.

## SECTION 6: Accidental release measures

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

Personal precautions            Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Do not touch or walk into spilled material. Do not handle broken packages without protective equipment. Wash thoroughly after dealing with a spillage.

### 6.2. Environmental precautions

Environmental precautions      Do not discharge into drains or watercourses or onto the ground.

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

Methods for cleaning up            Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb spillage to prevent material damage. Absorb spillage with inert, damp, non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

Reference to other sections      Wear protective clothing as described in Section 8 of this safety data sheet.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Usage precautions                Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Provide adequate ventilation. Avoid spilling. Avoid inhalation of vapours/spray and contact with skin and eyes. Wash hands thoroughly after handling.

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

Storage precautions                    Store at temperatures between 4°C and 40°C.

Storage class                            Chemical storage.

### 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

(2-methoxymethylethoxy)propanol

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m<sup>3</sup>

Sk

SODIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

Sk = Can be absorbed through skin.

#### (2-methoxymethylethoxy)propanol (CAS: 34590-94-8)

DNEL	Workers - Dermal; Long term systemic effects: 283 mg/kg/day Workers - Inhalation; Long term systemic effects: 308 mg/m <sup>3</sup> General population - Inhalation; Long term systemic effects: 37.2 mg/m <sup>3</sup> General population - Dermal; Long term systemic effects: 121 mg/kg/day General population - Oral; Long term systemic effects: 36 mg/kg/day
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PNEC	- Fresh water; 19 mg/l - Marine water; 1.9 mg/l - Intermittent release; 190 mg/l - STP; 4168 mg/l - Sediment (Freshwater); 70.2 mg/kg - Sediment (Marinewater); 7.02 mg/kg - Soil; 2.74 mg/kg
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#### SODIUM CARBONATE (CAS: 497-19-8)

DNEL	Industry - Inhalation; Long term : 10 mg/m <sup>3</sup>
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#### ALKYL AMINE OXIDE (CAS: 68955-55-5)

DNEL	Workers - Dermal; systemic effects: 11 mg/kg/day Workers - Inhalation; Long term systemic effects: 15.5 mg/m <sup>3</sup> Workers - Dermal; local effects: 0.27 % General population - Dermal; systemic effects: 5.5 mg/kg/day General population - Inhalation; systemic effects: 3.8 mg/m <sup>3</sup> General population - Oral; systemic effects: 0.44 mg/kg/day
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PNEC	<ul style="list-style-type: none"> <li>- Fresh water; 0.0335 mg/l</li> <li>- Marine water; 0.00335 mg/l</li> <li>- Water, Intermittent release; 0.0335 mg/l</li> <li>- Sediment (Freshwater); 5.24 mg/kg</li> <li>- Sediment (Marinewater); 0.524 mg/l</li> <li>- Soil; 1.02 mg/kg</li> <li>- STP; 24 mg/kg</li> </ul>
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### SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL	Industry - Inhalation; Long term local effects: 1.0 mg/m <sup>3</sup>
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### PROPYLENE GLYCOL n-BUTYL ETHER (CAS: 5131-66-8)

DNEL	- ; : N/A
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PNEC	<ul style="list-style-type: none"> <li>- Fresh water; 0.525 mg/l</li> <li>- Marine water; 0.0525 mg/l</li> <li>- Sediment (Freshwater); 2.36 mg/kg</li> <li>- Sediment (Marinewater); 0.236 mg/kg</li> <li>- Soil; 0.16 mg/kg</li> <li>- STP; 10 mg/l</li> </ul>
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### Tetrasodium ethylenediaminetetraacetate (CAS: 64-02-8)

DNEL	Industry - Inhalation; : 2.8 mg/m <sup>3</sup> Consumer - Inhalation; : 1.7 mg/m <sup>3</sup> Consumer - Oral; : 28.0 mg/kg/day
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PNEC	<ul style="list-style-type: none"> <li>- Fresh water; 2.8 mg/l</li> <li>- Marine water; 0.28 mg/l</li> <li>- Intermittent release; 1.6 mg/l</li> <li>- STP; 57 mg/l</li> <li>- Soil; 0.95 mg/l</li> </ul>
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### Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides

DNEL	Industry - Dermal; Long term systemic effects: 5.7 mg/kg/day Industry - Inhalation; Long term systemic effects: 3.96 mg/m <sup>3</sup> Consumer - Oral; Long term systemic effects: 3.4 mg/kg/day Consumer - Dermal; Long term systemic effects: 3.4 mg/kg/day Consumer - Inhalation; Long term systemic effects: 1.64 mg/m <sup>3</sup>
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PNEC	<ul style="list-style-type: none"> <li>- Fresh water; .0009 mg/l</li> <li>- Marine water; .00096 mg/l</li> <li>- Intermittent release; .00016 mg/l</li> <li>- Sediment (Freshwater); 12.27 mg/kg</li> <li>- Sediment (Marinewater); 13.09 mg/kg</li> <li>- Soil; 7.0 mg/kg</li> <li>- STP; 0.4 mg/l</li> </ul>
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## 8.2. Exposure controls

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equipment

Appropriate engineering controls



Eye/face protection

Hand protection

Other skin and body protection

Hygiene measures

Respiratory protection



Provide adequate ventilation.

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC).

Provide eyewash station. Wear appropriate clothing to prevent any possibility of skin contact.

Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.

Respiratory protection may be required if excessive airborne contamination occurs.

## SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless.
Odour	Mild.
pH	pH (concentrated solution): >13.0
Relative density	1.06 @ 25°C
Solubility(ies)	Soluble in water.

9.2. Other information

Other information	Not determined.
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## SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Reactions with the following materials may generate heat: Strong acids.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not determined.
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10.4. Conditions to avoid

Conditions to avoid	Avoid contact with acids.
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10.5. Incompatible materials

Materials to avoid	Do not mix with acid.
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10.6. Hazardous decomposition products

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Hazardous decomposition products      Thermal decomposition or combustion products may include the following substances:  
 Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Hydrogen chloride (HCl).  
 Nitrous gases (NO<sub>x</sub>).

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

ATE oral (mg/kg)                      35,573.38682715

##### Skin corrosion/irritation

Human skin model test              Cell Viability 96 and 98% 3 minutes Cell Viability 85 and 74% 1 hour

Extreme pH                              ≥ 11.5 Not corrosive to skin. Based on available data the classification criteria are not met.

##### Serious eye damage/irritation

Serious eye damage/irritation      Corrosivity to eyes is assumed.

Inhalation                              May cause respiratory system irritation.

Ingestion                                May cause discomfort if swallowed.

Skin contact                            Causes skin irritation.

Eye contact                              Causes serious eye damage.

#### Toxicological information on ingredients.

##### SODIUM BENZOATE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>      2,001.0  
 mg/kg)

Species                                  Rat

Notes (oral LD<sub>50</sub>)

ATE oral (mg/kg)                      2,001.0

##### (2-methoxymethylethoxy)propanol

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>      5,382.66  
 mg/kg)

Species                                  Rat

ATE oral (mg/kg)                      5,382.66

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>    5,001.0  
 mg/kg)

Species                                  Rabbit

ATE dermal (mg/kg)                  5,001.0

##### Acute toxicity - inhalation



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Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 3,080.0

Species Rat

ATE inhalation (vapours mg/l) 3,080.0

### SODIUM CARBONATE

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 2,800.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,000.01

Species Rabbit

ATE dermal (mg/kg) 2,000.01

### ALKYL AMINE OXIDE

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 1,064.0

Species Rat

Notes (oral LD<sub>50</sub>)

ATE oral (mg/kg) 1,064.0

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,000.01

Species Rat

ATE dermal (mg/kg) 2,000.01

### SODIUM HYDROXIDE

Acute toxicity - oral

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

Species Rat

ATE oral (mg/kg)

### PROPYLENE GLYCOL n-BUTYL ETHER

Acute toxicity - oral

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Acute toxicity oral (LD<sub>50</sub> 3,330.0  
mg/kg)

Species Rat

ATE oral (mg/kg) 3,330.0

Acute toxicity - dermal

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

Species Rat

Tetrasodium ethylenediaminetetraacetate

Acute toxicity - oral

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

Species Rat

ATE oral (mg/kg) 2,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> 5,000.0  
mg/kg)

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation 1,000.0  
(LC<sub>50</sub> dust/mist mg/l)

Species Rat

Notes (inhalation LC<sub>50</sub>)

ATE inhalation 1.5  
(dusts/mists mg/l)

Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> 397.5  
mg/kg)

Species Rat

ATE oral (mg/kg) 397.5

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> 3,412.0  
mg/kg)

Species Rabbit

SECTION 12: Ecological Information

## GLASS CLEANER

Ecotoxicity Not regarded as dangerous for the environment.

### 12.1. Toxicity

Acute toxicity - fish Not determined.

### Ecological information on ingredients.

#### SODIUM BENZOATE

Acute toxicity - fish LC<sub>50</sub>, 96 hours: >10 mg/l, Fish

#### (2-methoxymethylethoxy)propanol

Acute toxicity - fish LC<sub>50</sub>, 96 hours, 96 hours: > 1000 mg/l, Poecilia reticulata (Guppy)  
 Acute toxicity - aquatic NOEC, >: > 0.5 mg/l, Daphnia magna  
 invertebrates EC<sub>50</sub>, 48 hours: 1919 mg/l, Daphnia magna

Acute toxicity - aquatic EC<sub>50</sub>, 96 hours, 96 hours: > 969 mg/l, Selenastrum capricornutum  
 plants

#### SODIUM CARBONATE

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 300 mg/l, Lepomis macrochirus (Bluegill)  
 Acute toxicity - aquatic , : 200-227 mg/l, Freshwater invertebrates, Freshwater invertebrates  
 invertebrates

#### ALKYL AMINE OXIDE

Toxicity Very toxic to aquatic organisms.

#### Acute aquatic toxicity

LE(C)<sub>50</sub> 0.1 < L(E)C<sub>50</sub> ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC<sub>50</sub>, 96 hours: <1 mg/l, Fish  
 Acute toxicity - aquatic EC<sub>50</sub>, 48 hours: 3.1 mg/l, Daphnia magna  
 invertebrates

Acute toxicity - aquatic EC<sub>50</sub>, 72 hours: 0.14 mg/l, Algae  
 plants

#### SODIUM HYDROXIDE

Acute toxicity - fish LC<sub>50</sub>, 48 hours, 48 hours: ~ 145 mg/l, Poecilia reticulata (Guppy)  
 REACH dossier information.

Acute toxicity - aquatic EC<sub>50</sub>, 48 hours, 48 hours: ~ 76 mg/l, Daphnia magna  
 invertebrates REACH dossier information.

#### PROPYLENE GLYCOL n-BUTYL ETHER

Acute toxicity - fish LC<sub>50</sub>, 96 hours, 96 hours: > 560 mg/l, Poecilia reticulata (Guppy)

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Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours, 48 hours: > 1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	NOEC, 96 hours, 96 hours: 560 mg/l, Selenastrum capricornutum
Acute toxicity - microorganisms	EC <sub>50</sub> , >: > 1000 mg/l, Activated sludge

### Tetrasodium ethylenediaminetetraacetate

Acute toxicity - fish	LC50, 96 hours, 96 hours: > 500 mg/l, Leuciscus idus (Golden orfe) LC <sub>50</sub> , 96 hours: >100 mg/l, Fish
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### Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides

#### Acute aquatic toxicity

LE(C) <sub>50</sub>	0.01 < L(E)C50 ≤ 0.1
M factor (Acute)	10
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: 0.03 mg/l mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC <sub>50</sub> , 96 hours, 96 hours: ~ 0.06 mg/l, Selenastrum capricornutum

#### 12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

#### Ecological information on ingredients.

### (2-methoxymethylethoxy)propanol

Persistence and degradability	Readily biodegradable
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### Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides

Persistence and degradability	The product is readily biodegradable.
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Chemical oxygen demand ~ 1.13 g O<sub>2</sub>/g substance

#### 12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

#### Ecological information on ingredients.

### SODIUM CARBONATE

Bioaccumulative potential	The product is not bioaccumulating.
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### Tetrasodium ethylenediaminetetraacetate

Bioaccumulative potential	The product is not bioaccumulating.
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### Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides

Partition coefficient                      log Kow: < 1.58

#### 12.4. Mobility in soil

Mobility                                      The product is soluble in water.

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

Results of PBT and vPvB assessment      This product does not contain any substances classified as PBT or vPvB.

#### Ecological information on ingredients.

### SODIUM CARBONATE

Results of PBT and vPvB assessment      This substance is not classified as PBT or vPvB according to current EU criteria.

### Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides

Results of PBT and vPvB assessment      This substance is not classified as PBT or vPvB according to current EU criteria.

#### 12.6. Other adverse effects

Other adverse effects                      Not determined.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Disposal methods                              Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID)                              1719

UN No. (IMDG)                                      1719

UN No. (ICAO)                                      1719

UN No. (ADN)                                      1719

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)              CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide)

Proper shipping name (IMDG)                      CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide)

Proper shipping name (ICAO) CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide)

Proper shipping name (ADN) CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide)

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

ADR/RID class                                      8

IMDG class    8

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ICAO class/division 8

ADN class 8

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

14.6. Special precautions for user

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code

## SECTION 15: Regulatory information

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

National regulations Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation Commission Regulation (EU) No 453/2010 of 20 May 2010.  
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).

Guidance Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

## SECTION 16: Other information

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 16/06/2015

Revision 3.0

Supersedes date 01/07/2013

## GLASS CLEANER

Risk phrases in full	Not classified. R20/22 Harmful by inhalation and if swallowed. R22 Harmful if swallowed. R34 Causes burns. R35 Causes severe burns. R36 Irritating to eyes. R36/38 Irritating to eyes and skin. R38 Irritating to skin. R41 Risk of serious damage to eyes. R50 Very toxic to aquatic organisms.
Hazard statements in full	H226 Flammable liquid and vapour. H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

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.