

## Maxima Glass Cleaner - Safety Data Sheet

### 1. Identification of the substance/ mixture and of the company/undertaking

1.1 Product: Maxima Glass Cleaner  
 1.2 Use of the preparation: A General Purpose Glass & Mirror Cleaner  
 1.3 Company: MPM Consumer Products Ltd  
 33 Croft Street  
 Clayton  
 Manchester  
 M11 4RQ  
 Tel: (0161)2316111 Fax: (0161)231 7100  
 www.mpmconsumerproducts.com  
 1.4 Emergency Telephone: (0161) 231 6111 (office hours only)

### 2. Hazards Identification

2.1 Classification of the substance or mixture  
Classification

**Physical Hazards:-** Not Classified

**Health Hazards:-** Not Classified

**Environmental Hazards-** Not Classified

2.2 Label elements  
 Pictogram

**Signal word** n/a

**Hazard statements** Not Classified

**Precautionary statements** P102 Keep out of reach of children  
 P260 Do not breathe spray  
 P271 Use in a well ventilated area  
 P273 Avoid release to the environment.  
 P501 Dispose of contents/container in accordance with local requirements for domestic waste disposal

**Supplemental label information** Concentration of active substance: Benzalkonium Chloride 0.1%

**Detergent labelling** < 5% Nonionic Surfactant. Also contains Disinfectant.

2.3 Other hazards  
 This product does not contain any substances classified as PBT or vPvB

### 3. Composition/ Information on Ingredients

3.2 Mixtures

<b>Propan-2-ol, isopropanol</b>	<b>1 – 5%</b>
<b>CAS no:</b> 67-63-0	
<b>EC no:</b> 200-661-7	

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<b>REACH registration no:</b> 01-2119457558-25-xxxx	
<b>Classification</b> Flam. Liq.2 – H225 Eye Irrit.2 –H319 STOT SE3 - H336	<b>Classification (67/548/EEC or 1999/45/EC)</b> F; R11, Xi; R36, R67
<b>Alcohol ethoxylate with 6.5MEO</b> <span style="float: right;">0.025 - &lt;0.25%</span>	
<b>CAS no:</b> 68439-46-3	
<b>Classification</b> Eye Dam. 1 - H318 Acute Tox. 4 - H302	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn R22, Xi R41
<b>Acetic Acid</b> <span style="float: right;">0.025 - &lt;0.25%</span>	
<b>CAS no:</b> 64-19-7	
<b>EC no:</b> 200-580-7	
<b>REACH Registration no:</b> 01-2119475328-30-XXXX	
<b>Classification</b> Skin Corr. 1A - H314	<b>Classification (67/548/EEC or 1999/45/EC)</b> C; R35
<b>Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides</b> <span style="float: right;">0.025 - &lt;0.25%</span>	
<b>CAS no:</b> 85409-22-9	
<b>EC no:</b> 939-350-2	
<b>REACH registration no:</b> 01-2119970550-39-XXXX	
<b>M factor (Acute) = 10      M factor (Chronic) = 1</b>	
<b>Classification</b> Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn; R22. C; R34. N; R50/53
The full text for all R- Phrases and Hazard Statements are Displayed in section 16	
<b>4. First Aid Measures</b>	
4.1. Description of first aid measures	
<b>Inhalation:</b>	Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
<b>Ingestion:</b>	Rinse mouth out with water and drink copious amounts of water. Do not induce vomiting. If symptoms persist seek medical advice.
<b>Skin contact:</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact:</b>	Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
4.2. Most important symptoms and effects, both acute and delayed	
<b>Inhalation:</b>	Not expected to be irritating to the respiratory system. Not volatile therefore limited inhalation exposure anticipated
<b>Ingestion:</b>	May cause mild stomach upset
<b>Skin contact:</b>	May cause skin sensitisation or allergic reactions in sensitive individuals
<b>Eye contact:</b>	May cause severe irritation to eyes.

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4.3. Indication of any immediate medical attention and special treatment needed  
No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

### 5. Fire Fighting Measures

5.1. Extinguishing media

**Extinguishing media :** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire

5.2. Special hazards arising from the substance or mixture

**Specific hazards:** No specific firefighting precautions applicable when small quantities are involved in the fire

**Hazardous combustion products:** Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Nitrous gases(NO<sub>x</sub>). Oxides of sulphur

5.3. Advice for firefighters

**Protective equipment for fire-firefighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions :** Take care as floors and other surfaces may become slippery.

6.2. Environmental precautions

**Environmental precautions:** Large Spillages - 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:** Take care as floors and other surfaces may become slippery. Large Spillages: Absorb spillage with suitable absorbent material. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

6.4. Reference to other sections

**Reference to other sections:** See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

### 7. Handling and Storage

7.1. Precautions for safe handling

**Usage precautions:** Read and follow manufacturer's recommendations on label. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use.

**Advice on general occupational hygiene:** Remove contaminated clothing and protective equipment before entering eating areas. Wash at the end of each work shift and before eating, smoking and using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions :** Store in tightly-closed, original container. Store upright in a cool , safe place away from direct sunlight.

7.3. Specific end use(s)

**Specific end use(s):** As stated in Section 1.2.

### 8. Exposure controls/ Personal Protection

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### 8.1. Control parameters

#### Occupational exposure limits

##### Propan-2-ol

Long term exposure limit (8-hr TWA) WEL: 400ppm, 999 mg/m<sup>3</sup>

Short term exposure limit (15 mins) WEL: 500ppm, 1250 mg/m<sup>3</sup>

##### Acetic Acid

Long-term exposure limit (8-hour TWA) : WEL 10ppm ,25mg/m<sup>3</sup>

### 8.2. Exposure controls

#### Appropriate engineering

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

**Eye/face protection** Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### Hand protection

For users with sensitive skin, it is recommended that suitable protective gloves are worn.

#### Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

#### Hygiene measures

When using do not eat, drink or smoke. Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

#### Environmental exposure controls

Keep container tightly sealed when not in use. Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

## 9. Physical and Chemical Properties

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

<b>Appearance:</b>	Clear liquid.
<b>Colour:</b>	Green
<b>Odour:</b>	Characteristic.
<b>Odour Threshold :</b>	Not available.
<b>pH:</b>	2.5 – 3.5
<b>Melting point :</b>	~0°C
<b>Initial boiling point and range :</b>	102°C
<b>Flash point:</b>	Not available.
<b>Evaporation rate:</b>	Not available.
<b>Evaporation factor:</b>	Not available.
<b>Flammability (solid, gas):</b>	The product is not flammable.
<b>Upper/lower flammability or explosive limits:</b>	Not available.
<b>Vapour pressure :</b>	Not available.
<b>Vapour density:</b>	Not available.
<b>Relative density:</b>	0.99-1.03 @ 20°C
<b>Bulk density:</b>	Not available.
<b>Solubility(ies):</b>	Soluble in water.
<b>Partition coefficient :</b>	Not available.
<b>Auto-ignition temperature:</b>	Not available.

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<b>Decomposition Temperature:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>Explosive properties:</b>	Not considered to be explosive.
<b>Oxidising properties:</b>	Does not meet the criteria for classification as oxidising.
9.2 Other Information	
<b>Other Information :</b>	No information required

**10. Stability and Reactivity**

10.1. Reactivity

See the other subsections of this section for further details.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

**Materials to avoid:** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Does not decompose when used and stored as recommended.

**11. Toxicological Information**

**11.1. Information on toxicological effects**

**Acute toxicity - oral**

Based on available data the classification criteria are not met.

**Acute toxicity - dermal**

Based on available data the classification criteria are not met.

**Acute toxicity - inhalation**

Based on available data the classification criteria are not met.

**Skin corrosion/irritation**

**Animal data**

Based on available data the classification criteria are not met.

**Serious eye damage/ irritation**

Causes serious eye irritation

**Respiratory sensitisation**

Based on available data the classification criteria are not met.

**Skin sensitisation**

May cause skin sensitisation or allergic reactions in sensitive individual.

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**Germ cell mutagenicity**

**Genotoxicity - in vitro**

Based on available data the classification criteria are not met.

**Carcinogenicity**

Based on available data the classification criteria are not met.

**Reproductive toxicity**

**Reproductive toxicity - fertility**

Based on available data the classification criteria are not met.

**Reproductive toxicity - development**

Based on available data the classification criteria are not met.

**Specific target organ toxicity - single exposure**

**STOT - single exposure**

Based on available data the classification criteria are not met.

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure**

Based on available data the classification criteria are not met.

**Aspiration hazard**

Based on available data the classification criteria are not met.

**Toxicological information on ingredients.**

**Propan-2-ol**

**Acute toxicity - oral**

**Acute toxicity oral (LD50 mg/kg)** 5840. Based on available data the classification criteria are not met

**Species** Rat

**Acute toxicity - dermal**

**Acute toxicity dermal (LD50 mg/kg)** 13900. Based on available data the classification criteria are not met

**Species** Rabbit

**Acute toxicity - inhalation**

**Acute toxicity inhalation (LC50 mg/l – 6hrs)** >25

**Species** Rat

**Serious eye damage/ irritation** Cause eye irritation

**STOT - Single exposure**

**Inhalation** May cause drowsiness or dizziness.

**STOT - Repeated exposure**

**Oral & inhalation** Repeated exposure studies demonstrated target organ effects in male rats (kidney) and male and female mice (thyroid) by mechanisms of action that are not relevant to humans

**Aspiration hazard**

Aspiration hazard if swallowed - can enter lungs and cause damage. Aspiration may cause pulmonary oedema and pneumonitis

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Alcohol ethoxylate with 6.5MEO

**Acute toxicity - oral**

**Acute toxicity oral (LD50 mg/kg)** >300<2000

**Species** Rat

Raw material suppliers' information. Harmful if swallowed.

**ATE oral (mg/kg)** >300<2000

**Acute toxicity - dermal**

**Acute toxicity dermal (LD50 mg/kg)** >2000 Based on available data the classification criteria are not met

**Species** Rat

Raw material suppliers' information. Based on available data the classification criteria are not met.

Acetic Acid

**Acute toxicity - oral**

**Acute toxicity oral (LD50 mg/kg)** 3530 Based on available data the classification criteria are not met

**Species** Rat

**Acute toxicity - inhalation**

**Acute toxicity inhalation vapour (LC50 ppm – 4hrs)** >16000

**Species** Rat

**Skin Corrosion/ Irritation** Causes severe burns and eye damage. Causes skin irritation

**Serious Eye damage / Irritation** Cause serious eye damage

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

**Acute toxicity - oral**

**Acute toxicity oral (LD50 mg/kg)** 397.5

**Species** Rat

Raw material suppliers' information. Harmful if swallowed.

**ATE oral (mg/kg)** 397.5

**Acute toxicity - dermal**

**Acute toxicity dermal (LD50 mg/kg)** 3412.0

**Species** Rabbit

Raw material suppliers' information. Based on available data the classification criteria are not met.

**ATE dermal (mg/kg)** 3412.0

**12. Ecological Information**

12.1. Toxicity

Aquatic toxicity is unlikely to occur. However, large or frequent spills may have hazardous effects on the environment

**Ecological information on ingredients.**

Propan-2-ol

Acute toxicity

Fish (Pimephales promelas)	LC50, 96hrs	9640 mg/l
Daphina (Daphina magna)	LC50, 24hrs	9714 mg/l
Algae (Scenedesmus subspicatus)	EC50, 72hrs	> 100 mg/l

Alcohol ethoxylate with 6.5MEO

Fish	LC50, 96hrs	1 -10 mg/l
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**Acetic Acid**

Fish	LC50, 96hrs	>300.82mg/l
Daphnia	EC 50, 48hrs	>300.82mg/l
Algae	EC 50, 72hrs	>300.82mg/l

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

Fish	CL50	0.515 mg/l		
Daphnia	CE50	0.016mg/l		
Alga	CI50	0.03 mg/l		
Alga	NOEC	0.009mg/l		
<b>LE(C)<sub>50</sub></b>	0.01 < L(E)C50 ≤ 0.1		<b>M factor (Acute)</b>	10
<b>Chronic aquatic toxicity</b>				
<b>NOEC</b>	0.001 < NOEC ≤ 0.01		<b>M factor (Chronic)</b>	1

12.2. Persistence and degradability

Persistence and degradability

The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

**Ecological information on ingredients.**

**Propan-2-ol**

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

**Alcohol ethoxylate with 6.5MEO**

**Persistence and degradability** This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents

**Acetic Acid**

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

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

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

12.3 Bioaccumulative potential

No data available on bioaccumulation. **Partition coefficient** Not available

**Ecological information on ingredients.**

**Propan-2-ol**

Bioaccumulation is not expected

**Alcohol ethoxylate with 6.5MEO**

No bioaccumulation potential

**Acetic Acid**

This product is not expected to bioaccumulate through food chains in the environment

**Log Pow** -0.17      **BCF** 3.16

12.4 Mobility in soil

The product is soluble in water

**Ecological information on ingredients.**

**Propan-2-ol**

The product is mobile in water

**Alcohol ethoxylate with 6.5MEO**

The product is mobile in water



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Acetic Acid

The product is 100% miscible in water

12.5 Results of PBT and vPvB assessment

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

12.6 Other adverse effects

None known

**13. Disposal Considerations**

13.1. Waste treatment methods

**Disposal methods :** Dispose of contents/container in accordance with national regulations

**14. Transport Information**

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. **UN number :** Not applicable.

14.2. **UN proper shipping name:** Not applicable.

14.3. **Transport hazard class(es):** No transport warning sign required.

14.4. **Packing group:** Not applicable.

14.5. **Environmental hazards:**

Environmentally hazardous substance/marine pollutant: No.

14.6. **Special precautions for user:** Not applicable.

14.7. **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code :** Not applicable.

**15. Regulatory Information**

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

**National regulations**

EH40/2005 Workplace exposure limits. The Chemical (Hazard Information and Packaging for Supply) Regulation 2009 (SI 2009 No. 716)

**EU legislation**

- 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 Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Regulation (EC) No. 648/2004 of the European Parliament and of the Council of 31st March 2004 on detergents.

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

**16. Other Information**

**Revision Comments** Format and content change to conform 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)

**Revision Date** 8.6.2015

**Revision** 03

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**Risk Phrases In Full**

R11 Highly flammable  
R22 Harmful if swallowed  
R34 Causes burns  
R35 Causes severe burns  
R36 Irritating to eyes.  
R41 Risk of serious damage to eyes  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R67 Vapours may cause drowsiness and dizziness

**Hazard Statements In Full**

H225 Highly flammable liquid and vapour  
H302 Harmful if swallowed  
H314 Causes severe burns and eye damage  
H318 Causes serious eye damage  
H319 Causes serious eye irritation  
H336 May cause drowsiness or dizziness  
H400 Very toxic to aquatic life  
H410 Very toxic to aquatic life with long lasting effects

**Disclaimer**

The information contained in this data sheet is, to the best of our knowledge and belief, accurate and is based upon our technical knowledge of the product and the date of issue. No warranty or representation, express or implied, is made as to its accuracy, reliability or completeness. MPM Consumer Products Ltd will not be responsible for any damage or injury resulting from any inherent hazard of the material, the abnormal use of the material or from failure to adhere to recommendation