Maxima Glass Cleaner -
Safety Data Sheet

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

1.1 Product: Maxima Glass Cleaner
- Liquid product
- Product does not contain any nanomaterials

1.2 Use of the preparation: A General Purpose Glass & Mirror Cleaner

1.3 Company: Maxima Trading Limited
Ipark Industrial Estate
Innovation Drive
Hull
HU5 1SG
www.maxima-clean.co.uk

1.4 Emergency Telephone: (0161) 231 6111 (office hours only)

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification: Mixture

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

Maxima Glass Cleaner - Safety Data Sheet

3. Composition/ Information on Ingredients

3.2 Mixtures

Propan-2-ol, isopropanol **1 – 5%**
CAS no: 67-63-0
EC no: 200-661-7
REACH registration no: 01-2119457558-25-xxxx

Classification under CPL
Flam. Liq.2 – H225
Eye Irrit.2 –H319
STOT SE3 - H336

Alcohols, C12-13- branched and linear, ethoxylated (>= 2.5 EO) **0.1 - <0.25%**
CAS no: 160901-19-9
EC No.: 931-954-4
REACH No.: Not relevant (polymer)

Classification under CLP
Eye Dam. 1 - H318
Acute Tox. 4 - H302
Aquatic Chronic 3

Acetic Acid **0.1 -<0.25%**
CAS no: 64-19-7
EC no: 200-580-7
REACH Registration no: 01-2119475328-30-XXXX

Classification under CLP
Skin Corr. 1A - H314
Eye Dam. 1 - H318
Flam. Liq.3 – H226

Quaternary ammonium compounds, benzyl-C12-16 (even numbered)-alkyldimethyl, chlorides **0.05 - <0.2%**
CAS no: 68424-85-1
EC no: 939-350-2
REACH registration no: 01-2119970550-39-XXXX
M factor (Acute) = 10 **M factor (Chronic) = 1**

Classification under CLP
Acute Tox. 4 - H302
Skin Corr. 1B - H314
Aquatic Chronic 1 - H410

The full text for all Hazard Statements are Displayed in section 16

4. First Aid Measures

4.1. Description of first aid measures

Inhalation: Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion: Rinse mouth out with water and drink copious amounts of water. Do not induce vomiting. If symptoms persist seek

medical advice.

Skin contact: 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.

Eye contact: 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

Inhalation: Not expected to be irritating to the respiratory system. Not volatile therefore limited inhalation exposure anticipated

Ingestion: May cause mild stomach upset

Skin contact: May cause skin sensitisation or allergic reactions in sensitive individuals

Eye contact: May cause severe irritation to eyes.

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_2). Carbon monoxide (CO). Nitrous gases(NO_x). 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

8.1. Control parameters
Occupational exposure limits

Propan-2-ol
Long term exposure limit (8-hr TWA) WEL: 400ppm, 999 mg/m3
Short term exposure limit (15 mins) WEL: 500ppm, 1250 mg/m3
Acetic Acid
Long-term exposure limit (8-hour TWA) : WEL 10ppm ,25mg/m3

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

Appearance:	Clear liquid.
Colour:	Green
Odour:	Characteristic.

Odour Threshold :	Not available.
pH:	2.5 – 3.5
Melting point :	~0°C
Initial boiling point and range :	102°C
Flash point:	Not available.
Evaporation rate:	Not available.
Evaporation factor:	Not available.
Flammability (solid, gas):	The product is not flammable.
Upper/lower flammability or explosive limits:	Not available.
Vapour pressure :	Not available.
Vapour density:	Not available.
Relative density:	0.99-1.03 @ 20°C
Bulk density:	Not available.
Solubility(ies):	Soluble in water.
Partition coefficient :	Not available.
Auto-ignition temperature:	Not available.
Decomposition Temperature:	Not available.
Viscosity:	Not available.
Explosive properties:	Not considered to be explosive.
Oxidising properties:	Does not meet the criteria for classification as oxidising.

9.2 Other Information

Other Information : 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 hazard classes as defined in Regulation (EC) No 1272/2008

Information given is based on data of the components and of similar products

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.

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 me

Species Rat

Acute toxicity - dermal
Acute toxicity dermal (LD50 mg/kg) >2000. Based on available data the classification criteria are not me
Species Rabbit

Acute toxicity - inhalation
Acute toxicity inhalation (LC50 mg/l – 6hrs) >25
Species Rat

Serious eye damage/ irritation Causes serious 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
Based on available data, the classification criteria are not met.

Alcohols, C12-13- branched and linear, ethoxylated (>= 2.5 EO)
Acute toxicity - oral
Acute toxicity oral (LD50 mg/kg) >300<2000
Species Rat
Raw material suppliers' information. Harmful if swallowed.
ATE oral (mg/kg) 555.56

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

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-C12-16 (even numbered)-alkyldimethyl, chlorides
Acute toxicity - oral
Acute toxicity oral (LD50 mg/kg) 344
Species Rat
Raw material suppliers' information. Hazardous calculated

Acute toxicity - dermal
Acute toxicity dermal (LD50 mg/kg) 3340
Species Rabbit
Raw material suppliers' information. Hazardous calculated.
11.2. Information on other hazards
No known endocrine disrupting effects

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

Alcohols, C12-13- branched and linear, ethoxylated (>= 2.5 EO)

Fish	EC10	>0.1 -1 mg/l
Daphina	EC 10	>0.1 -1 mg/l
Algae	EC 50, 72hrs	>0.1 -1 mg/l

Acetic Acid

Fish (rainbow trout);	LC50, 96hrs	>300.82mg/l
Daphina	EC 50, 48hrs	>300.82mg/l
Algae	EC 50, 72hrs	>300.82mg/l

Quaternary ammonium compounds, benzyl-C12-16 (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

$LE(C)_{50}$ 0.01 < L(E)C50 ≤ 0.1 **M factor (Acute)** 10
Chronic aquatic toxicity
NOEC 0.001 < NOEC ≤ 0.01 **M factor (Chronic)** 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

Alcohols, C12-13- branched and linear, ethoxylated (>= 2.5 EO)

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 Bioaccumulaive potential
No data available on bioaccumulation. **Partition coefficient** Not available
Ecological information on ingredients.

Propan-2-ol

Bioaccumulation is not expected

Alcohols, C12-13- branched and linear, ethoxylated (>= 2.5 EO)

Bioaccumulation is unlikely

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

Alcohols, C12-13- branched and linear, ethoxylated (>= 2.5 EO)

Adsorption/Soil; Koc: > 5000; QSAR

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 Endocrine disrupting properties
None known

12.7 Other adverse effects
None known

13. Disposal Considerations

13.1. Waste treatment methods
Disposal methods : Dispose of contents/container in accordance with national regulations

Maxima Glass Cleaner -
Safety Data Sheet

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

- Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
- 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 Reviewed SDSs of component ingredients updated where changes had occurred. Update Sections 11 & 12 subsection titles to meet Regulation 2020/878
Revision Date 21.01.2022
Revision 05

Hazard Statements In Full

H225 Highly flammable liquid and vapour
H225 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
H410 Very toxic to aquatic life with long lasting effects
H412 Harmful to aquatic life with long lasting effects

Maxima Glass Cleaner -
Safety Data Sheet

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