Maxima All-Purpose Cleaner
Safety Data Sheet

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

1.1 Product: Maxima All Purpose Cleaner Product Code: MAX20034
1.2 Use of the preparation: A General Kitchen & Hard Surface 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

Physical Hazards:- Not Classified

Health Hazards:- Eye Irritant 2 – H319
Elicitation – EUH 208

Environmental Hazards- Not Classified

2.2 Label elements

Pictogram

Signal word WARNING

Hazard statements
H319 Causes serious eye irritation
EUH208 Contains Methylchloroisothiazolinone/ Methylisothiazolinone. May produce an allergic reaction.

Precautionary statements
P102 Keep out of reach of children
P260 Do not breathe spray.
P264 Wash exposed skin thoroughly after handling
P271 Use in a well-ventilated area
P273 Avoid release to the environment.
P332 + P313 If skin irritation occurs: Get medical advice/ attention
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention
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% Cationic surfactants, Non-ionic surfactants. Also contains: Perfume, Disinfectant Methylchloroisothiazolinone, Methylisothiazolinone

Supplementary precautionary statements

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection

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

3. Composition/ Information on Ingredients

3.2 Mixtures

Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides **0.2 - <0.5%**
CAS no: 85409-22-9
EC no: 939-350-2
REACH registration no: 01-2119970550-39-XXXX
M factor (Acute) = 10 **M factor (Chronic) = 1**

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Xn; R22. C; R34. N; R50/53

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides **0.2 - <0.5%**
CAS no: 308062-28-4
EC no: 931-292-6
REACH registration no: 01-2119490061-47-XXXX
M factor (Acute) = 1

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	Xn; R22. Xi; R41, R38. N; R50, R51/53

Alcohol ethoxylate with 6.5MEO **0.2 - <0.5%**
CAS no: 68439-46-3

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Eye Dam. 1 - H318 Acute Tox. 4 - H302	Xn R22, Xi R41

(L) Lactic Acid **0.2 -<0.5%**
CAS no: 79-33-4
EC No: 201-196-2

REACH Registration no: 01-2119474164-39	
Classification	**Classification (67/548/EEC or 1999/45/EC)**
Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Xi;R41, R38.

DISODIUM SALT OF ETHYLENEDIAMINETETRAACETIC ACID DIHYDRATE	**0.025 – <0.25%**
CAS no: 6381-92-6 **EC no:** 205-358-3	
Classification	**Classification (67/548/EEC or 1999/45/EC)**
Acute Tox. 4 - H332	Xn;R20

Ethanol	**<0.025%**
CAS no: 64-17-5 **EC no:** 200-578-6	
Classification	**Classification (67/548/EEC or 1999/45/EC)**
Flam. Liq. 2 - H225	F; R11

Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one	**<0.025%**
CAS no: 55965-84-9 **EC no:** 611-341-5 M factor (Acute)=1	
Classification	**Classification (67/548/EEC or 1999/45/EC)**
Acute Tox. 3 – H301 Acute Tox. 3 – H311 Acute Tox 3 – H331 Skin Corr 1B – H314 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410 Skin Sens. 1A – H317	T: R23/R24/25, C: R34, Xi: R43, NR50/53

The full text for all R- Phrases and 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 (CO2). Carbon monoxide (CO). Nitrous gases(NOx). 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

Ethanol
Long term exposure limit (8-hr TWA) WEL : 1000ppm, 1920mg/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:	Red
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 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.

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.

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

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides
Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg) 1064
Species Rat
ATE oral (mg/kg) 1064

Skin Corrosion/Irritation
Cause irritation on the skin

Serious eye damage/ irritation
Cause serious eye irritation

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.

Disodium salt of ethylenediaminetetraacetic acid dehydrate

Acute toxicity - oral
Acute toxicity oral (LD50 mg/kg) 2000
Species Rat
ATE oral (mg/kg) 2000

Inhalation Harmful by inhalation.
Ingestion May cause discomfort if swallowed.
Skin contact Powder may irritate skin.
Eye contact Particles in the eyes may cause irritation and smarting.

(L) Lactic Acid

Acute toxicity - oral
Acute toxicity oral (LD50 mg/kg) 3543 Based on available data the classification criteria are not met
Species Rat
Acute toxicity - dermal
Acute toxicity dermal (LD50 mg/kg) >2000 Based on available data the classification criteria are not met
Species Rabbit
Acute toxicity - inhalation
Acute toxicity inhalation (LC50 mg/l -4hrs) 7.94
Species Rat

Skin Corrosion/Irritation
Cause irritation on the skin
Serious eye damage/ irritation
Cause serious eye damage

5-Chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one

Acute toxicity - oral
Acute toxicity oral (LD50 mg/kg) 4467 Based on available data the classification criteria are not met
Species Rat
Acute toxicity - dermal
Acute toxicity dermal (LD50 mg/kg) >5000 Based on available data the classification criteria are not met
Species Rat

Skin Corrosion/Irritation Causes caustic effect on skin and mucous membrane
Serious eye damage/ irritation Cause serious eye damage
Skin Sensitisation Sensitization by skin contact

12. Ecological Information

12.1. Toxicity
Large or frequent spills may have an adverse effect on the environment. Aquatic toxicity is unlikely to occur. However, large or frequent spills may have hazardous effects on the environment

Ecological information on ingredients.

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

$LE(C)_{50}$ 0.01 < L(E)C50 ≤ 0.1 **M factor (Acute)** 10
Chronic aquatic toxicity
NOEC 0.001 < NOEC ≤ 0.01 **M factor (Chronic)** 1

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides

Fish	CL50	2.67 mg/l
Daphnia	CE50	3.1mg/l
Alga	CI50	0.143 mg/l
Alga	NOEC	0.067mg/l

M factor (Acute) 1

Alcohol ethoxylate with 6.5MEO

Fish	LC50, 96hrs	1 -10 mg/l

Disodium salt of ethylenediaminetetraacetic acid dehydrate

Fish	LC50, 96hrs	>100mg/l
Daphina	EC 50, 48hrs	>100mg/l
Alga	IC 50, 72hrs	>100mg/l

(L) Lactic Acid

Fish (Lepomis macrochirus -Bluegill)	LC50, 96hrs	130mg/l
Daphina (Daphnia magna)	EC 50, 48hrs	130mg/l
Aquatic Plants	EC 50, 72hrs	2800mg/l

5-Chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one

Fish (rainbow trout)	EC50, 96hrs	14.6mg/l
Daphina	EC 50, 48hrs	6.7mg/l
Alga (Pseudokirchneriella subcapitata)	EC 50, 72hrs	3.2mg/l

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.

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

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

Disodium salt of ethylenediaminetetraacetic acid dehydrate

Persistence and degradability The product is not readily biodegradable.

5-Chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one

Persistence and degradability The product is not readily biodegradable.

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

Alcohol ethoxylate with 6.5MEO

No bioaccumulation potential

Disodium salt of ethylenediaminetetraacetic acid dehydrate

No data bioaccumulation potential

5-Chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one

Log Kow -0.71: +0.75 (n-Octanol/ water) **BCF** 3.6 (calculated)

12.4 Mobility in soil
The product is soluble in water
Ecological information on ingredients.

Alcohol ethoxylate with 6.5MEO

The product is mobile in water

Disodium salt of ethylenediaminetetraacetic acid dehydrate

The product is mobile in water

5-Chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one

No data available

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)

Maxima All-Purpose Cleaner
Safety Data Sheet

Revision Date 8.6.2015
Revision 03
Risk Phrases In Full

R11 Highly Flammable
R20 Harmful by inhalation
R22 Harmful if swallowed
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed
R34 Causes burns
R38 Irritating to skin
R41 Risk of serious damage to eyes
R43 May cause sensitisation by skin contact
R50 Very toxic to aquatic organisms
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Hazard Statements In Full

H225 Highly flammable liquid and vapour
H301 Toxic if swallowed
H302 Harmful if swallowed
H311 Toxic in contact with skin
H314 Causes severe burns and eye damage
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H331 Toxic if inhaled
H332 Harmful if inhaled
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects
H411 Toxic to aquatic life with long-lasting effects

Disclaimer

The information and recommendations contained in this safety data sheet represent, to the best of our knowledge and belief, an accurate and reliable representation as to the known data for this preparation at the date of issue. The information is intended only as guidance for safe handling use, processing, storage and release and is not to be considered a warranty or quality specification. It is the responsibility of the user to evaluate this information in a prudent manner and to use it in a manner that is consistent for his / her particular purpose.