



Maxima Antibacterial Cleanser Safety Data Sheet

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

- 1.1 Product: Maxima Antibacterial Cleanser
-Liquid Spray product
-Product does not contain any nanomaterials
- 1.2 Use of the preparation: An Antibacterial Hard Surface Cleanser
- 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- Chronic hazard, Category 3 - Aquatic Chronic 3, H412

2.2 Label elements

Pictogram

Signal word n/a

Hazard statements H412 Harmful to aquatic life with long lasting effects

Precautionary statements

P102 Keep out of reach of children

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local requirements for domestic waste disposal

Supplemental label information Benzalkonium Chloride 0.5g per 100g,

Detergent labelling

< 5% Disinfectant (Benzalkonium Chloride 0.5% w/w), Non-ionic surfactants and Preservatives (Benzisothiazolinone , Methylisothiazolinone)

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



Maxima Antibacterial Cleanser Safety Data Sheet

3. Composition/ Information on Ingredients

3.2 Mixtures

Quaternary ammonium compounds, benzyl-C12-16 (even numbered)-alkyldimethyl, chlorides CAS: 68424-85-1 EC no: 939-350-2 REACH registration no: 01-2119970550-39-XXXX M factor (Acute) = 10 M factor (Chronic) = 1	0.25 - <0.75%
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Classification

Acute Tox. Oral 4 - H302
Acute Tox. Dermal 4 - H312
Skin Corr. 1B - H314
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

Alcohols, C19-11- alcohol ethoxylate with 6MEO; C9-11 Pareth-6 CAS no: 68439-46-3 EC No.: Exempt polymer REACH No.: Not relevant (polymer)	0.1 - <0.25%
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Classification under CLP

Eye Dam. 1 - H318
Acute Tox. 4 - H302

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

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

1,2-benzisothiazol-3(2H)-one CAS no: 2634-33-5 EC no: 220-120-9	<0.01%
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Classification under CLP

Acute Tox. 4, H302
Skin Irrit. 2, H315
Eye Dam. 1, H318
Skin Sens. 1, H317
Aquatic Acute 1, H400
Aquatic Chronic 2, H411



Maxima Antibacterial Cleanser Safety Data Sheet

2-Methyl-2H-isothiazol-3-one <0.01%
CAS no: 2682-20-4
EC no: 220-239-6
M factor (Acute) = 10 M factor (Chronic) = 1

Classification under CLP

Acute Tox. 3, H301
Acute Tox. 3, H311
Acute Tox. 2, H330
Skin Corr. 1C, H314
Skin Sens. 1, H317
Eye Dam. 1, H318
Aquatic Acute 1, H400
Aquatic Chronic 1, H410
EUH071

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. Get medical attention if any discomfort continues.

Ingestion - Rinse mouth out with water, do not induce vomiting and seek medical attention immediately, showing the label.

Skin contact - Remove contaminated clothing and wash the skin thoroughly with soap and water.

Get medical attention if any discomfort continues.

Eye contact - Promptly wash eyes with plenty of clean water while lifting the eye lids. Make sure to remove any contact lenses from the eyes. If there is any redness, pain or visual impairment, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed – no data available

4.3. Indication of any immediate medical attention and special treatment needed - Treat symptomatically

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(NO_x). Oxides of sulphur

5.3. Advice for firefighters

Protective equipment for fire-fighters: 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 – see sections 7 and 8



Maxima Antibacterial Cleanser Safety Data Sheet

6.2. Environmental precautions

Large Spillages - Do not discharge into drains or watercourses or onto the ground. Contain with inert absorbent materials

6.3. Methods and material for containment and cleaning up

Take care as floors and other surfaces may become slippery. Large spillages, absorb with inert absorbent material. Flush contaminated area with plenty of water. Wash thoroughly with detergent. Do not use solvents

6.4. 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

Read and follow manufacturer's recommendations on label.

Always wash hands after handling

Remove and wash contaminated clothing before re-use

Avoid skin and eye contact

No smoking, eating or drinking in area where mixture is used

7.2. Conditions for safe storage, including any incompatibilities

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

Keep away from food and drink

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

8. Exposure controls/ Personal Protection

8.1. Control parameters

Occupational exposure limits - No data available

Biological limits – No data available

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

WEL = Workplace Exposure Limit

8.2. Exposure controls - Provide adequate ventilation.

Personal Protection

Use personal protection equipment that is clean and has been properly maintained. Store in a clean place away from the work area.

Never eat, drink or smoke during use.

Remove and wash contaminated clothing before re-use.

Eye/face protection - Avoid contact with face and eyes.

Hand protection

Avoid skin contact

Wear suitable protective gloves that are resistant to chemical agents in accordance with standard EN374

Protective gloves must be selected according to the application and duration of use at the work station.



Maxima Antibacterial Cleanser Safety Data Sheet

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance:	Clear liquid.
Colour:	Colourless
Odour:	Characteristic.
Odour Threshold :	Not available.
pH:	6.5 – 7.5
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 - No information required

10. Stability and Reactivity

- 10.1. Reactivity** - See the other subsections of this section for further details.
10.2. Chemical stability - Stable at normal ambient temperatures and when used as recommended.
10.3. Possibility of hazardous reactions – Avoid contact with other chemicals
10.4. Conditions to avoid - Keep away from direct heat and sunlight. Avoid contact with other chemicals
10.5. Incompatible materials – Avoid contact with other chemicals
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.



Maxima Antibacterial Cleanser Safety Data Sheet

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

Based on available data the classification criteria are not met.

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-C12-16 (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



Maxima Antibacterial Cleanser Safety Data Sheet

Acute toxicity dermal (LD50 mg/kg) 3340

Species Rabbit

Raw material suppliers' information. Hazardous calculated.

Alcohols, C19-11- alcohol ethoxylate with 6MEO; C9-11 Pareth-6

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

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) >2000. 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 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.

1,2-benzisothiazol-3(2H)-one/2-Methyl-2Hisothiazol-3-one

Acute toxicity - oral

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

Species Rat

Supplier's remarks: Test results on an analogous product

Acute toxicity - dermal

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

Species Rat

Supplier's remarks: Test results on an analogous product



Maxima Antibacterial Cleanser Safety Data Sheet

Acute toxicity- inhalation

Acute toxicity- inhalation (LC50 mg/kg) >5 mg/l (4hr)

Species Rat

Supplier's remarks: Test results on an analogous product

Skin Sensitisation

OECD – Guinea pig: Sensitising

Supplier's remarks: Test results on an analogous product

11.2. Information on other hazards

No known endocrine disrupting effects

12. Ecological Information

12.1. Toxicity

Harmful to aquatic life with long lasting effects. Large or frequent spills may have an adverse effect on the environment

Ecological information on ingredients.

Quaternary ammonium compounds, benzyl-C12-16 (even numbered)-alkyldimethyl, chlorides

Fish	LC50 96hr	0.28 mg/l
Daphnia	EC50 48hr	0.016mg/l
Alga	ErC50	0.049 mg/l

Alcohols, C19-11- alcohol ethoxylate with 6MEO; C9-11 Pareth-6

Fish	LC50,	5-7 mg/l
Daphnia	EC 50,	2.5 mg/l
Algae	EC 50, 96hrs	1.4 mg/l

Propan-2-ol

Acute toxicity

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

1,2-benzisothiazol-3(2H)-one

Daphnia (Daphnia magna)	Acute EC50, 48hrs	2.9 mg/l
Algae (<i>Pseudokirchneriella subcapitata</i>)	Chronic ErC50, 72hrs	0.11 mg/l
Fish (Oncorhynchus mykiss /rainbow trout)	Acute LC50, 96 hrs	2.15mg/l

2-Methyl-2Hisothiazol-3-one

Daphnia	Acute EC50, 48hrs	0.87 mg/l
Algae (<i>Pseudokirchneriella subcapitata</i>)	Acute EC50, 72hrs	0.157 mg/l
Fish (Danio rerio/ zebra fish)	Acute LC50, 96 hrs	>150mg/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.



Maxima Antibacterial Cleanser Safety Data Sheet

648/2004 on detergents.

Ecological information on ingredients.

Quaternary ammonium compounds, benzyl-C12-16 (even numbered)-alkyldimethyl, chlorides

Persistence and degradability The product is readily biodegradable.

Alcohols, C19-11- alcohol ethoxylate with 6MEO; C9-11 Pareth-6

Persistence and degradability The product is readily biodegradable

Propan-2-ol

Persistence and degradability The product is readily biodegradable

1,2-Benzisothiazol-3(2H)-one

Persistence and degradability Rapidly biodegradable. Considered rapidly degradable in the environment

2-Methyl-2Hisothiazol-3-one

Persistence and degradability Not readily biodegradable

12.3 Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient Not available

Ecological information on ingredients.

Quaternary ammonium compounds, benzyl-C12-16 (even numbered)-alkyldimethyl, chlorides

No bioaccumulation potential

Alcohols, C19-11- alcohol ethoxylate with 6MEO; C9-11 Pareth-6

Bioaccumulation is unlikely

Propan-2-ol

Bioaccumulation is not expected

1,2-Benzisothiazol-3(2H)-one

LogP_{ow} 0.7 (20°C)

2-Methyl-2Hisothiazol-3-one

LogP_{ow}-0.32

12.4 Mobility in soil

The product is soluble in water

Ecological information on ingredients.

Quaternary ammonium compounds, benzyl-C12-16 (even numbered)-alkyldimethyl, chlorides

Readily adsorbed into soil

Alcohols, C19-11- alcohol ethoxylate with 6MEO; C9-11 Pareth-6

Soluble in water

Propan-2-ol

The product is mobile in water

1,2-benzisothiazol-3(2H)-one

No data available



Maxima Antibacterial Cleanser

Safety Data Sheet

2-Methyl-2Hisothiazol-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 at levels of 0.1% or higher

12.6 Endocrine disrupting properties

None known

12.7 Other adverse effects

None known

13. Disposal Considerations

13.1. Waste treatment methods

General information Harmful to aquatic life with long lasting effects

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

- 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.



Maxima Antibacterial Cleanser Safety Data Sheet

16. Other Information

Revision Comments: Edit ingredient Ecological tox data and update hazard data

Revision Date 08/05/2024

Revision 5

Hazard Statements In Full

H225 Highly flammable liquid and vapour

H301: Toxic if swallowed

H302: Harmful if swallowed

H311: Toxic in contact with skin

H312: Harmful in contact with skin

H314: Causes severe skin burns and eye damage

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H318: Causes serious eye damage

H319 Causes serious eye irritation

H330: Fatal if inhaled

H336 May cause drowsiness or dizziness

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 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