



PURA+ Antimicrobial Sanitiser - Safety Data Sheet

According to Regulation (EC) No. 1907/2006, amended by Regulation (EU) No. 2015/830

Version: 2.0
 Revision date: 30.10.2018
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Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Product name: PURA+ Antimicrobial Sanitiser
 Part No.

1.2 Relevant identified uses of the substance or mixture and uses advised against.

A ready-to-use sanitising solution to provide general disinfection of floors and work surfaces for protection against common bacteria and other pathogens in the workplace and around the home. For professional and consumer use.

1.3 Details of the supplier of the safety data sheet.

Company: MAXAM Ltd., 14 Cultins Road, Edinburgh EH11 4DZ UK
 Telephone: +44 (0)800 0922 923
 Email: info@maxam.co.uk
 Website: www.maxam.co.uk
 Emergency line: +44 (0)800 0922 923

Section 2. Hazards identification

2.1 Classification of the substance or mixture.

Classification according to Regulation (EC) no. 1272/2008.
 Aquatic Acute 3; H412

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008.

Hazard Pictograms None

Signal Word: Danger

Hazard Statements:

H412: Harmful to aquatic life with long lasting effects.

Supplemental Hazard Statements:

EUH208: Contains Poly(iminocarbonimidoyliminocarbonimi doylimino 1,6-hexanediy), hydrochloride (9Cl) or PolyHexaMethylene Biguanide, hydrochloride (PHMB) (*). May produce an allergic reaction.

Precautionary Statements:

Prevention: P273: Avoid release to the environment.

General: P102: Keep out of reach of children.
 P103: Read label before use.

Disposal: P501: Dispose of contents/container in accordance with local regulations.

2.3 Other hazards

None known.

Section 3. Composition and information on ingredients

3.2 Mixture

Substance	CAS No.	EC No.	REACH No.	Classification	Range
Polymer of Poly(iminocarbonimidoiminocarbonimi doylimino 1,6-hexanediy), hydrochloride (9Cl) or PolyHexaMethylene Biguanide, hydrochloride (PHMB) (*)	1802181-67-4	32289-58-0	Polymer NA	Acute Tox. 4 (Oral); H302 Acute Tox. 2 (Inhal); H330 Eye Dam. 1; H318 Skin Sens. 1B; H317 STOT SE 3; H335 Aquatic Acute 1; H400 (M=10) Aquatic Chronic 1; H410 (M=10)	<0.15 %
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	270-325-2	-	Acute Tox. 4 (Oral); H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 (M=10) Aquatic Chronic 1; H410	<0.1 %
Didecyldimethylammonium chloride	7173-51-5	230-525-2	01-2119945987-15	Acute Tox. 3 (Oral); H301 Skin Corr. 1B; H314 Aquatic Acute 1; H400 (M=10) Aquatic Chronic 2; H411	<0.1%

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4. First aid measures

4.1 Description of first aid measures

- Eye contact: If irritation occurs, cautiously rinse eyes with lukewarm, gently flowing water for 5 minutes, while holding the eyelids open. If eye irritation persists, get medical advice.
- Skin contact: Adverse reactions are not anticipated in normal handling and use. However, should a reaction occur, then wash the affected area with clean water and seek medical advice.
- Inhalation: Exposure via inhalation is not anticipated. Move to fresh air and keep warm. Seek medical attention if feel unwell.
- Ingestion: Rinse mouth with plenty of water. Do NOT induce vomiting. If you feel unwell or concerned, get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Eyes: can cause redness, stinging, discomfort.
Skin: contains Polymer of Poly(iminocarbonimidoyliminocarbonimi doylimino 1,6-hexanediy), hydrochloride (9Cl) or PolyHexaMethylene Biguanide, hydrochloride (PHMB) (*). May produce an allergic reaction.

4.3 Indication of any immediate medical attention and special treatment needed

No specific recommendations.

Section 5. Fire fighting measures

5.1 Extinguishing media

No special requirements, as appropriate for the fire.

5.2 Special hazards arising from the substance or mixture

The product is non-combustible as it is water-based with non-flammable components. No special hazards.

5.3 Advice for firefighters

No special measures arising from the mixture.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes.

6.2 Environmental precautions

This product is harmful to aquatic life with long lasting effects. Keep away from drains, surface water and soil.

6.3 Methods and material for containment and cleaning up

Small spillages: mop up or absorb with an inert dry material (e.g. paper towel) and dispose of in bin.

Large spillages: contain spillage, then absorb with liquid-binding material (e.g. sand, diatomite, acid binders, universal sawdust) and place in container for disposal according to local regulations.

6.4 Reference to other sections

No reference.

Section 7. Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes. Use in accordance with product label.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container. Protect from extreme temperatures and direct sunlight. Do not freeze.

7.3 Specific end use(s)

No additional information.

Section 8. Exposure controls / Personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls: No specific recommendations.

Personal protective equipment:

Eye protection: Not required.

Hand protection: Not required.

Skin and body protection: Not required.

Respiratory protection: Not required.

Environmental exposure controls: Prevent mixture from entering water courses.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid	Vapour pressure	No data
Colour	Transparent to pale straw	Vapour density	No data
Odour	Characteristic	Density (g/cm ³)	ca. 1.0
Odour threshold	No data	Solubility in water	Completely miscible
pH	6 - 7 (at 20°C with pH indicator strip)	Partition coefficient: n-octanol/water	Not applicable for mixtures
Melting point	< 0°C	Auto-ignition temperature	Not applicable since the product is not volatile
Initial boiling point and range	ca. 100°C	Decomposition temperature	No data
Flash point	Above 100°C	Viscosity	No data
Evaporation rate	Not volatile	Explosive properties	Not explosive
Flammability (solid, gas)	Not applicable since the product is liquid	Oxidising properties	Not classified as oxidising
Upper/lower flammability or explosive limits	Not applicable since the product is not flammable/explosive		

9.2 Other information

No data available

Section 10. Stability and reactivity

- 10.1 **Reactivity**
Stable and is not expected to have a hazardous reaction.
- 10.2 **Chemical stability**
Stable under normal temperature. Store in a cool dry place.
- 10.3 **Possibility of hazardous reactions**
Stable under normal conditions.
- 10.4 **Conditions to avoid**
Avoid direct sunlight.
- 10.5 **Incompatible materials**
Strong oxidising agents. Anionic materials.
- 10.6 **Hazardous decomposition products**
None under normal use.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Oral	Contains ingredients classified as Acute Tox. 3 and Acute Tox. 4 (section 3). Mixture is not classified as Acute Tox. by the conventional method using information derived from supplier's SDS.
Dermal	Does not contain any ingredients classified as Acute Tox.
Inhalation	Contains an ingredient classified as Acute Tox. 2 (section 3). Mixture is not classified as Acute Tox. by the conventional method using information derived from supplier's SDS.
Skin corrosion/irritation	Contains an ingredient classified as Skin Corr. 1B (section 3). Mixture is not classified as Skin Corr./Irrit. by the conventional method using information derived from supplier's SDS.
Serious eye damage/irritation	Contains an ingredient classified as Eye Dam. 1 (section 3). Mixture is not classified as Eye Dam./Irrit. by the conventional method using information derived from supplier's SDS.
Respiratory or skin sensitisation	Contains Polymer of Poly(iminocarbonimidoyliminocarbonimidoylimino 1,6-hexanediy), hydrochloride (9CI) or PolyHexaMethylene Biguanide, hydrochloride (PHMB) (*). May cause sensitisation by skin contact.
Germ cell mutagenicity	Components do not exhibit mutagenic properties in reported in-vitro studies.
Carcinogenicity	Does not contain any ingredients classified as Carc.
Reproductive toxicity	Components do not exhibit reproductive toxicity effects in reported studies.
STOT SE	Contains an ingredient classified as STOT SE (section 3). Mixture is not classified as STOT SE by the conventional method using information derived from supplier's SDS.
STOT RE	Does not contain any ingredients classified as STOT-RE.
Aspiration hazard	Does not contain any ingredients classified as Asp. Tox.

Routes of exposure / symptoms:

Eye contact	Can cause redness, stinging, discomfort.
Skin contact	May produce an allergic reaction in sensitive individuals.
Inhalation	No harmful effects expected under normal use.
Ingestion	No harmful effects expected in amounts likely to be ingested by accident.

Section 12. Ecological information

12.1 Toxicity

Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substance considered to be PBT (persistent, bioaccumulating and toxic) or vPBT (very persistent and very bioaccumulating).

12.6 Other adverse effects

No data available.

Section 13. Disposal considerations

13.1 Waste treatment methods

Product	Small quantities may be flushed to drains with plenty of water (subject to consent limits). Large quantities, dispose of in accordance with local regulations.
Contaminated packaging	Recycle containers wherever possible.

Section 14. Transport information

ADR/RID/ADN/IATA

Not classified as dangerous in the meaning of transport regulations.

14.1 UN number

not applicable.

14.2 UN proper shipping name

not applicable.

14.3 Transport hazard class(es)

not applicable.

14.4 Packing group

not applicable.

14.5 Environmental hazards

not applicable.

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

Not applicable.

Section 15. Regulatory information

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

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Regulation (EU) No. 2015/830. Label elements according to Regulation (EC) No. 1272/2008.

15.2 Chemical safety assessment

Not required.

Section 16. Other information

Full text of H-Statements referred to under Section 3.

H301: Toxic if swallowed.	H330: Fatal if inhaled.
H302: Harmful if swallowed.	H335: May cause respiratory irritation.
H314: Causes severe skin burns and eye damage.	H400: Very toxic to aquatic life.
H317: May cause an allergic skin reaction.	H410: Very toxic to aquatic life with long lasting effects.
H318: Causes serious eye damage.	H411: Toxic to aquatic life with long lasting effects.