

# 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: Pathogon Ready To Use Multi-Surface Disinfectant  
 Part No. PNVL-MSD

### 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: Nanovet Limited, Cavendish House, Welbeck Estate, Nottinghamshire S80 3LL UK  
 Telephone: +44 (0)1909 489848  
 Mobile: +44 (0)7740 625799  
 Email: stephen@nanovet.co.uk  
 Website: www.nanovet.co.uk  
 Emergency line: +44 (0)7740 625799

## 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
<b>Polymer of Poly(iminocarbonimidoiminocarbonimi doylimino 1,6-hexanediy), hydrochloride (9Cl) or PolyHexaMethylene Biguanide, hydrochloride (PHMB) (*)</b>	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 %
<b>Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides</b>	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 %
<b>Didecyldimethylammonium chloride</b>	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 <sup>3</sup> )           | ca. 1.0  |
| Odour threshold                              | No data   | Solubility in water                    | Completely miscible                              |
| pH   | 6 - 7<br>(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:**

<b>Oral</b>	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.
<b>Dermal</b>	Does not contain any ingredients classified as Acute Tox.
<b>Inhalation</b>	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.
<b>Skin corrosion/irritation</b>	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.
<b>Serious eye damage/irritation</b>	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.
<b>Respiratory or skin sensitisation</b>	Contains Polymer of Poly(iminocarbonimidoyliminocarbonimidoylimino 1,6-hexanediy), hydrochloride (9CI) or PolyHexaMethylene Biguanide, hydrochloride (PHMB) (*). May cause sensitisation by skin contact.
<b>Germ cell mutagenicity</b>	Components do not exhibit mutagenic properties in reported in-vitro studies.
<b>Carcinogenicity</b>	Does not contain any ingredients classified as Carc.
<b>Reproductive toxicity</b>	Components do not exhibit reproductive toxicity effects in reported studies.
<b>STOT SE</b>	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.
<b>STOT RE</b>	Does not contain any ingredients classified as STOT-RE.
<b>Aspiration hazard</b>	Does not contain any ingredients classified as Asp. Tox.

**Routes of exposure / symptoms:**

<b>Eye contact</b>	Can cause redness, stinging, discomfort.
<b>Skin contact</b>	May produce an allergic reaction in sensitive individuals.
<b>Inhalation</b>	No harmful effects expected under normal use.
<b>Ingestion</b>	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).<br>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.      |