



## SAFETY DATA SHEET

(conforming to Regulation (EC) No 1907/2006, as amended)

### Sani-Cloth Chlor

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

##### 1.1 Product Identifier

|              |                           |
|--------------|---------------------------|
| Product Name | Sani-Cloth Chlor          |
| Product Code | XP00309<br>XP00297        |
| Product Type | Medical Device<br>Biocide |
| Ref No:      | 4880                      |

##### 1.2 Relevant Identified uses of the substance or mixture and uses advised against

|                      |   |
|----------------------|---|
| Identified uses      | Hard surface disinfectant<br><b>Professional Use Only</b> |
| Uses advised against | Personal Hygiene  |

##### 1.3 Details of the supplier of the safety data sheet

|          |  |
|----------|--|
| Supplier | PDI Ltd<br>Aber Park<br>Flint<br>UK<br>CH6 5EX<br><br>Tel: +44 (0) 1352 736700<br>Fax: +44 (0) 1352 736701 |
|----------|--|

Contact person: [sales@pdi-hc.co.uk](mailto:sales@pdi-hc.co.uk)

##### 1.4 Emergency telephone number

+44 (0) 1352 736700 (0900-1700 UK time)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

H2: Physical Hazards;  
 H3: Health Hazards;  
 H4: Environment Hazards



#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

Causes severe skin burns and eye damage. - H314  
 Very toxic to aquatic life. - H400  
 Toxic to aquatic life with long lasting effects - H411

#### 2.1.2 Additional information

None

### 2.2 Label elements

|                                 |  |  |
|---------------------------------|--|--|
| <b>SYMBOLS</b>                  |   |  |
| <b>Signal Word</b>              | <b>DANGER</b>  |  |
| <b>Hazard Statements</b>        |  |  |
| <b>H314</b>                     | Causes severe skin burns and eye damage  |  |
| <b>H400</b>                     | Very toxic to aquatic life   |  |
| <b>H411</b>                     | Toxic to aquatic life with long lasting effects  |  |
| <b>Precautionary Statements</b> |  |  |
| <b>P260</b>                     | Do not breathe vapour/spray  |  |
| <b>P264</b>                     | Wash contaminated skin thoroughly after handling   |  |
| <b>P273</b>                     | Avoid release to the environment.  |  |
| <b>P280</b>                     | Wear protective gloves/protective clothing/eye protection/face protection.   |  |
| <b>P301+P330+P331</b>           | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.   |  |
| <b>P303+P361+P353</b>           | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.                              |  |
| <b>P304+P340</b>                | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |  |
| <b>P305+P351+P338</b>           | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |  |
| <b>P310</b>                     | Immediately call a POISON CENTER/doctor.   |  |
| <b>P321</b>                     | Specific treatment (see medical advice on this label).   |  |
| <b>P363</b>                     | Wash contaminated clothing before reuse.   |  |
| <b>P391</b>                     | Collect spillage.  |  |
| <b>P405</b>                     | Store locked up.   |  |
| <b>P501</b>                     | Dispose of contents/container in accordance with national regulations.   |  |

### 2.3 Other hazards

This mixture does not contain any substances that are assessed to be PBT or vPvB.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Mixtures**

**Description of the mixture:** Contains Sodium hypochlorite stabilised with alkali when impregnated on wipe.

A mixture with hypochlorite at a low concentration.

**3.2 Hazardous Ingredients:**

|   |                        |   |
|---|------------------------|---|
| <b>SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE</b> <span style="float: right;"><b>5-10%</b></span>  |                        |   |
| CAS number: 7681-52-9   | EC number: 231-668-3   | REACH registration number:<br>01-2119488154-34-0000 |
| M factor (Acute) = 10   | M factor (Chronic) = 1 |   |
| <b>Classification</b><br>Met. Corr. 1 – H290<br>Skin Corr. 1B – H314<br>Eye Dam. 1 – H318<br>Aquatic Acute 1 – H400<br>Aquatic Chronic 1 – H410 |                        |   |
| <b>PHOSPHORIC ACID,TRISODIUM SALT, DODECAHYDRATE</b> <span style="float: right;"><b>1-5%</b></span>   |                        |   |
| CAS number: 10101-89-0  |                        | REACH registration number:<br>01-2119489800-32      |
| <b>Classification</b><br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319<br>STOT SE 3 - H335  |                        |   |
| <b>SODIUM HYDROXIDE</b> <span style="float: right;"><b>&lt;1%</b></span>  |                        |   |
| CAS number: 1310-73-2   | EC number: 215-185-5   | REACH registration number:<br>01-2119457892-27      |
| <b>Classification</b><br>Met. Corr. 1 - H290<br>Skin Corr. 1A - H314<br>Eye Dam. 1 - H318   |                        |   |
| <b>PHOSPHORIC ACID &gt;25 ...%</b> <span style="float: right;"><b>&lt;0.1%</b></span>   |                        |   |
| CAS number: 7664-38-2   | EC number: 231-633-2   | REACH registration number:<br>01-2119485924-24      |
| <b>Classification</b><br>Skin Corr. 1B - H314<br>Eye Dam. 1 - H318  |                        |   |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## **SECTION 4: FIRST AID MEASURES**

### **4.1 Description of first aid measures**

#### **Inhalation :**

Remove affected person from source of contamination. Keep affected person warm and at rest. Get medical attention immediately.

#### **Ingestion :**

Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention immediately.

#### **Skin contact :**

Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

#### **Eye contact :**

Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

### **4.2 Most important symptoms and effects, both acute and delayed**

#### **General Information :**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

#### **Inhalation :**

Upper respiratory irritation.

#### **Ingestion :**

Causes burns.

#### **Skin contact :**

Causes burns.

#### **Eye contact :**

Causes burns. May cause permanent damage if eye is not immediately irrigated.

### **4.3 Indications of any immediate medical attention and special treatment needed**

#### **Notes for the doctor**

No specific recommendations. If in doubt, get medical attention promptly.

## **SECTION 5: FIRE FIGHTING MEASURES (for bulk quantities)**

### **5.1 Extinguishing media**

#### **Suitable :**

Use fire-extinguishing media suitable for the surrounding materials.

#### **Not suitable :**

Do not use water jet as an extinguisher, as this will spread fire.

### **5.2 Special hazards arising from the substance or mixture**

Chlorine. Oxygen.

### **5.3 Advice for fire fighters**

#### **Special protective equipment for fire-fighters**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes.

### **6.2 Environmental precautions**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

### **6.3 Methods and materials for containment and cleaning up**

#### **Bulk Liquid spill :**

Do not touch or walk into spilled material. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water.

#### **Finished product spill :**

Unless packaging is broken or damaged, no eye/skin protection should be required. Undamaged product can be returned to stock.

Damaged product must be disposed of.

If packaging is broken and continuous handling necessary, then approved eye protection must be worn and gloves/protective clothing are recommended.

If disposal is required, local/national regulations/guidelines should be adhered to.

Avoid breathing any vapour or mist.

### **6.4 Reference to other sections**

#### **Reference to other sections :**

Wear protective clothing as described in Section 8 of this safety data sheet.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

#### **Usage precautions**

Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage precautions**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

### **7.3 Specific end use**

Identified use is detailed in Section 1.2

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational exposure limits

##### **SODIUM HYDROXIDE**

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

##### **PHOSPHORIC ACID >25 ...%**

Long-term exposure limit (8-hour TWA): WEL 1 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

#### **SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE (CAS: 7681-52-9)**

Ingredient comments No exposure limits known for ingredient(s).

DNEL Industry - Inhalation; Long term : 1.55 mg/m<sup>3</sup>  
Industry - Inhalation; Short term : 3.1 mg/m<sup>3</sup>  
Consumer - Inhalation; Long term : 1.55 mg/m<sup>3</sup>  
Consumer - Inhalation; Short term : 3.1 mg/m<sup>3</sup>

PNEC - Sediment (Freshwater); 0.00021 mg/l  
- Sediment (Marinewater); 0.000042 mg/l  
- Intermittent release; 0.00026 mg/l  
- STP; 0.03 mg/l

#### **PHOSPHORIC ACID,TRISODIUM SALT, DODECAHYDRATE (CAS: 10101-89-0)**

Ingredient comments WEL = Workplace Exposure Limits

#### **SODIUM HYDROXIDE (CAS: 1310-73-2)**

Ingredient comments WEL = Workplace Exposure Limits

DNEL Consumer - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>  
Industry - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>

#### **PHOSPHORIC ACID >25 ...% (CAS: 7664-38-2)**

Ingredient comments WEL = Workplace Exposure Limits

DNEL Industry - ; Long term : 2.92 mg/m<sup>3</sup>

### 8.2 Exposure controls

Protective equipment



#### **Appropriate engineering controls**

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

**Eye/face protection**

Bulk Liquid Handling: The following protection should be worn: Chemical splash goggles. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

The following protection should be worn: Chemical splash goggles and face shield.

Finished Product: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

**Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex).

**Other skin and body protection**

Wear appropriate clothing to prevent any possibility of skin contact.

**Hygiene measures**

Liquid of chlorine is dosed onto a non-woven substrate. Wipes are packed in a canister and no free liquid is in contact with user. Provide eyewash station and safety shower. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

**Respiratory protection**

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

|  |  |
|--|--|
| <b>Appearance</b>                              | White non-woven substrate dosed with aqueous liquid. |
| <b>Physical state</b>                          | Liquid.  |
| <b>Colour</b>                                  | Clear, colourless liquid.                            |
| <b>Odour</b>                                   | Characteristic: Bleach                               |
| <b>Odour threshold</b>                         | Not applicable and/or not determined for the mixture |
| <b>pH</b>                                      | Extracted liquid >11.5                               |
| <b>Initial boiling point and boiling range</b> | 100°C  |
| <b>Flash point</b>                             | Not applicable and/or not determined for the mixture |
| <b>Evaporation rate</b>                        | Not applicable and/or not determined for the mixture |
| <b>Flammability</b>                            | Non –Flammable                                       |
| <b>Vapour pressure</b>                         | Not applicable and/or not determined for the mixture |
| <b>Vapour density</b>                          | Not applicable and/or not determined for the mixture |
| <b>Relative density</b>                        | 1.00 @ 20°C  |
| <b>Solubility</b>                              | Highly soluble and miscible in water                 |
| <b>Decomposition temperature</b>               | Not applicable and/or not determined for the mixture |
| <b>Viscosity</b>                               | Newtonian Liquid                                     |

**9.2 Other information**

Not applicable.

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1 Reactivity**

The following materials may react with the product: Acids.

### **10.2 Chemical stability**

The product needs to be maintained at or below 23°C.

### **10.3 Possibility of hazardous reactions**

Not determined.

### **10.4 Conditions to avoid**

Avoid excessive heat for prolonged periods of time. Avoid contact with acids.

### **10.5 Incompatible materials**

Materials to avoid: Amines. Strong acids. Strong oxidising agents. Hydrocarbons.

### **10.6 Hazardous decomposition products**

Heating may generate the following products: Toxic and corrosive gases or vapours.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

#### **General Information:**

If used as directed this product is unlikely to present any hazard.

#### **a) Acute toxicity**

##### **Oral**

Ingestion is unlikely for solid products. This product contains only a small amount of liquid. May cause burns in mucous membranes, throat, oesophagus and stomach.

##### **Dermal**

May cause serious chemical burns to the skin.

##### **Inhalation**

May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

##### **Eye Contact**

Causes burns.

#### **(b) Skin corrosion/irritation**

May cause skin irritation.

#### **(c) Serious eye damage/irritation**

May cause burns and irritation if direct eye contact occurs.

#### **(d) Respiratory or skin sensitization**

Based on the available data on component substances, the classification criteria for sensitisation, is not met.

#### **(e) Germ cell mutagenicity**

Based on the available data on component substances, the classification criteria for germ cell mutagenicity, is not met.



**(f) Carcinogenicity**

Based on the available data on component substances, the classification criteria for carcinogenicity, is not met.

**(g) Reproductive toxicity**

Based on the available data on component substances, the classification criteria for reproductive toxicity, is not met.

**(h) STOT-single exposure**

Based on the available data on component substances, the classification criteria for specific target organ toxicity as a result of single exposure, is not met.

**(i) STOT-repeated exposure**

Based on the available data on component substances, the classification criteria for specific target organ toxicity as a result of repeated exposure, is not met.

**(j) Aspiration hazard**

Based on the available data on component substances, the classification criteria for aspiration hazard, is not met.

**Other information**

No applicable toxicity data. No known significant effects or critical hazards.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **Ecotoxicity**

The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

#### **12.1 Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

This product is expected to be toxic to the aquatic environment. Releases to the environment should be avoided. The amount of chlorine as a mixture obtained from wipes would be negligible to cause any hazards unless it is disposed of in large quantities into rivers, waters and environment.

**See Section 13.**

#### **12.2 Persistence and degradability**

There are no data on the degradability of this product.

#### **12.3 Bio accumulative potential**

No data available on bioaccumulation.

#### **12.4 Mobility in soil**

If liquid from the product reaches waterways, the product is water soluble and may spread in water systems.

#### **12.5 Results of PBT and vPvB assessment**

This substance is not classified as PBT or vPvB according to current EU criteria.

## **12.6 Other adverse effects**

Not determined.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **13.1 Waste treatment methods**

#### **General Information:**

Do not discharge into drains, water courses or onto the ground.

#### **Methods of disposal :**

The generation of waste should be avoided or minimized wherever possible.

Empty canisters may retain some product residues.

This material and its pack must be disposed of in a safe way.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

**Product** : Do not flush. Dispose of as hazardous waste.  
Dispose of in accordance with local, state, and federal regulations.

**Contaminated packaging** : Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Hazardous waste** : The classification of the product meets the criteria for hazardous waste.

## **SECTION 14: TRANSPORT INFORMATION**

Not classified under ADR, IMDG or IATA regulations.

## **SECTION 15: REGULATORY INFORMATION**

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

#### **EU regulations**

##### **Environmental**

Environmental Protection Act 1990 (and amendments)

Hazardous Waste Regulations 2005 (and amendments)

##### **EU Regulations / Directives**

Biocidal Product Regulation (BPR, Regulation (EU) 528/2012)

EC Directive 93/42/EEC (and amendments) concerning medical devices.

Regulation (EC) No 1907/2006 (and amendments) Registration, Evaluation, Authorisation and Restriction of Chemicals – REACH.

Regulation (EC) No 1272/2008 (and amendments) Classification, Labelling and Packaging Regulations (applies to ingredients only) – CLP.

Road Transport Regulations ADR.

COSHH – Control of Substances Hazardous to Health Regulations 2002 (as amended).

### **15.2 Chemical safety assessment**

No chemical safety assessment has been carried out.

## SECTION 16 OTHER INFORMATION

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

|                                  |      |   |
|----------------------------------|------|---|
| <b>Hazard statements in full</b> | H290 | May be corrosive to metals.                           |
|                                  | H314 | Causes severe skin burns and eye damage.              |
|                                  | H315 | Causes skin irritation.                               |
|                                  | H318 | Causes serious eye damage.                            |
|                                  | H319 | Causes serious eye irritation.                        |
|                                  | H335 | May cause respiratory irritation.                     |
|                                  | 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.      |

### Other abbreviations

PBT : Persistent, bioaccumulative and toxic.  
 vPvB : Very persistent and very bioaccumulative.

***Safety Data Sheet compiled according to Regulation (EC) No. 1907/2006, as amended***

### Notice to readers

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.