

# SAFETY DATA SHEET

BioWash™ Surface Cleaner

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Compilation date: 02/02/2016  
Revision No: 1

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product name: BioWash™ Surface Cleaner

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

Use of substance / mixture: A COMPLEX MIXTURE OF CLEANING & DISINFECTING CHEMICALS, SURFACTANTS

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

Company name: Smartseal UK Ltd  
15-16 Annwood Lodge Business Park  
Arterial Road  
Essex  
SS6 7UA  
United Kingdom  
Tel: +44 (0)1268 722500  
Email: info@smartseal.co.uk

### 1.4. Emergency telephone number

Emergency tel: +44 (0)1268 722500

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification under CLP: Aquatic Acute 1: H400; Skin Corr. 1A: H314; -: EUH031; -: EUH401; Acute Tox. 4: H302; Skin Sens. 1A: H317; Aquatic Chronic 3: H412

Most important adverse effects: Contact with acids liberates toxic gas. To avoid risks to human health and the environment, comply with the instructions for use. Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

Label elements:  
Hazard statements: EUH031: Contact with acids liberates toxic gas.  
EUH401: To avoid risks to human health and the environment, comply with the instructions for use. H302: Harmful if swallowed.  
H314: Causes severe skin burns and eye damage. H317: May cause an allergic skin reaction. H400: Very toxic to aquatic life.  
H412: Harmful to aquatic life with long lasting effects.

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**Signal words:** Danger  
**Hazard pictograms:** GHS05: Corrosion  
GHS09: Environmental



**Precautionary statements:** P260: Do not breathe in spray mist.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3. Other hazards

**Other hazards:** Harmful in contact with skin. Harmful if swallowed. Contact with acids liberates toxic gas. Irritating to respiratory system. Irritating to skin.  
**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

**Hazardous ingredients:**

**SODIUMHYPOCHLORITE SOLUTION CL ACTIVE**

| EINECS    | CAS       | PBT/WEL | CLP Classification                                     | Percent |
|-----------|-----------|---------|--|---------|
| 231-668-3 | 7681-52-9 | -       | Skin Corr. 1B: H314; Aquatic Acute 1: H400; - : EUH031 | 10-30%  |

**SODIUMHYDROXIDE**

|           |           |   |                     |       |
|-----------|-----------|---|---------------------|-------|
| 215-185-5 | 1310-73-2 | - | Skin Corr. 1A: H314 | 1-10% |
|-----------|-----------|---|---------------------|-------|

**ALCOHOLS C12-14 ETHOXYLATED**

|   |            |   |   |       |
|---|------------|---|---|-------|
| - | 68002-97-1 | - | Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 3: H412 | 1-10% |
|---|------------|---|---|-------|

**ALKYL DIMETHYL AMMONIUM CHLORIDE**

|   |            |   |   |     |
|---|------------|---|---|-----|
| - | 68424-85-1 | - | Acute Tox. 4: H302; Acute Tox. 4: H312 Skin Corr. 1A: H314; Aquatic Acute 1: H400 | <1% |
|---|------------|---|---|-----|

#### Section 4: First aid measures

##### 4.1. Description of first aid measures

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
- Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.
- Ingestion:** Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. Wash out mouth with water. Consult a doctor.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

- Skin contact:** There may be irritation and redness at the site of contact.
- Eye contact:** There may be irritation and redness. The eyes may water profusely.
- Ingestion:** There may be soreness and redness of the mouth and throat.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

##### 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

#### Section 5: Fire-fighting measures

##### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

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

**Exposure hazards:** In combustion emits toxic fumes.

##### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear protective clothing to prevent contact with skin and eyes.

#### Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

##### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

##### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

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### 6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:** SODIUM HYDROXIDE

#### Workplace exposure limits: Respirable dust

| State | 8 hour TWA | 15 min. STEL        | 8 hour TWA | 15 min. STEL |
|-------|------------|---------------------|------------|--------------|
| UK    | -          | 2 mg/m <sup>3</sup> | -          | -            |

### DNEL/PNEC Values

**DNEL/PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Pale yellow

**Odour:** Lemon

**Solubility in water:** Soluble

**Viscosity:** Viscous

**Boiling point/range°C:** No data available.

**pH:** >11.5

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### 9.2. Other information

Other information: No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

Chemical stability: Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

Conditions to avoid: Heat.

### 10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Hazardous ingredients:

SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE

|     |     |      |      |       |
|-----|-----|------|------|-------|
| ORL | MUS | LD50 | 5800 | Mg/kg |
|-----|-----|------|------|-------|

SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE

|     |     |      |    |       |
|-----|-----|------|----|-------|
| IPR | MUS | LD50 | 40 | Mg/kg |
|-----|-----|------|----|-------|

|     |     |      |     |       |
|-----|-----|------|-----|-------|
| ORL | RBT | LDLO | 500 | Mg/kg |
|-----|-----|------|-----|-------|

#### Relevant hazards for substance:

|                               | Route | Basis                 |
|-------------------------------|-------|-----------------------|
| Skin corrosion/irritation     | DRM   | Hazardous: calculated |
| Serious eye damage/irritation | OP T  | Hazardous: calculated |

#### Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.  
**Eye contact:** There may be irritation and redness. The eyes may water profusely.  
**Ingestion:** There may be soreness and redness of the mouth and throat.  
**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.  
**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:** No data available.

**12.2. Persistence and degradability**

**Persistence and degradability:** Not biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** Bioaccumulation potential.

**12.4. Mobility in soil**

**Mobility:** Readily absorbed into soil.

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

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** Toxic to aquatic organisms. Toxic to soil organisms.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**14.1. UN number**

**UN number:** UN1791

**14.2. UN proper shipping name**

**Shipping name:** HYPOCHLORITE SOLUTION

**14.3. Transport hazard class(es)**

**Transport class:** 8

**14.4. Packing group**

**Packing group:** 3

**14.5. Environmental hazards**

**Environmentally hazardous:** Yes No

**Marine pollutant:**

**14.6. Special precautions for user**

No special precautions.

**Special precautions:**

**Tunnel code:** E Transport

**category:** 2

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**Section 15: Regulatory information**

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

**15.2. Chemical Safety Assessment**

**Section 16: Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.  
\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH031: Contact with acids liberates toxic gas.  
EUH401: To avoid risks to human health and the environment, comply with the instructions for use. H302: Harmful if swallowed.  
H312: Harmful in contact with skin.  
H314: Causes severe skin burns and eye damage. H317: May cause an allergic skin reaction. H318: Causes serious eye damage.  
H400: Very toxic to aquatic life.  
H412: Harmful to aquatic life with long lasting effects.  
**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.