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## PURESEAL BACCLEAR PRO

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

#### 1.1 Product Identifier

**Product Name: PureSeal BacClear Pro**

#### Additional information:

This Safety Data Sheet relates to the material mentioned above by product name.

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

##### Application of the substance/the mixture:

Biocidal product for professional use

#### 1.3 Details of the supplier of the safety data sheet: Address and telephone number of the supplier

**PureSeal Services UK Ltd**

Basford Old Creamery

Newcastle Road

Chorlton

Crewe

CW2 5NQ

Phone: (UK) 0333 577 8086




E: [info@puresealservices.co.uk](mailto:info@puresealservices.co.uk),

W: [www.puresealservices.co.uk](http://www.puresealservices.co.uk)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture




► Classification according to Regulation (EC) No 1272/2008 respectively UN GHS

|   |   |
|---|---|
|  | <b>GHS05 corrosion</b><br>H314 Causes severe skin burns and eye damage.<br>H318 Causes serious eye damage.  |
|  | <b>GHS09 environment</b><br>Aquatic Acute 1 H400 Very toxic to aquatic life.<br>Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects |
|  | <b>GHS07</b><br>Acute Tox. 4 H302 Harmful if swallowed.   |

#### 2.2 Label elements

In accordance with Regulation (EC) No 1272/2008.

The product is labelled according to the CLP regulation.

|                   |  |
|-------------------|--|
| Hazard Pictograms |   <br>GHS05      GHS07      GHS09 |
| Signal word       | Danger   |

|  |   |   |
|--|---|---|
| <b>Hazard-determining components of labelling:</b> | Quaternary ammonium compounds, benzyl (C12 - C16) alkyldimethyl, chlorides.   |   |
| <b>Hazard statements</b>                           | H302 Harmful if swallowed.<br>H314 Causes severe skin burns and eye damage.<br>H410 Very toxic to aquatic life with long lasting effects. |   |
| <b>Precautionary statements</b>                    | P273  | Avoid release to the environment.   |
|  | P280  | Wear protective gloves/protective clothing/eye protection/face protection.  |
|  | P301+P330+P331  | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  |
|  | P303+P361+P353 I  | IF ON SKIN (or hair):<br>Take off immediately all contaminated clothing.<br>Rinse skin with water [or shower].                            |
|  | P305+P351+P338  | IF IN EYES:<br>Rinse cautiously with water for several minutes.<br>Remove contact lenses, if present and easy to do.<br>Continue rinsing. |
|  | P391  | Collect spillage.   |

**Supplemental information in terms of art. 25 CLP-Regulation (EC) Nr. 1272/2008:**

As the information cannot be stated sufficiently legible on the label, it is also available in the safety data sheet which can be obtained by emailing [info@puresealservices.co.uk](mailto:info@puresealservices.co.uk). According to art. 35 of the REACH Regulation, the safety data sheet has to be provided to each employee anyway.

**a) Identity of every active substance and its concentration in metric units:** See product label

**b) Nanomaterials contained in the product:** Does not contain any nanomaterial.

**c) Authorisation number:** This biocidal product is subject to the transitional periods of Art. 89 BPR.

**d) Name and address of the authorisation holder:**

PureSeal Services UK Ltd, Basford Old Creamery, Newcastle Road, Chorlton, Crewe, CW2 5NQ

**e) Type of formulation:** SL, soluble concentrate

**f) Intended or authorised applications:**

Product-type 1: Human hygiene

Product-type 2: Disinfectants and algacides not intended for direct application to humans or animals

Product-type 3: Veterinary hygiene Product-type 4: Food and feed area Product-type 8: Wood preservatives

Product-type 10: Construction material preservatives

Product-type 11: Preservatives for liquid-cooling and processing systems Product-type 12: Slimicides

**g) Directions for use, frequency of application and dose rate:** Use level: 0.02 - 100 g/kg

The ideal use concentration can be determined together with the technical team at PureSeal. Technical queries are to be sent to [info@puresealservices.co.uk](mailto:info@puresealservices.co.uk). Ideally the addition should occur within a closed system. If manual handling operations are necessary spraying or spilling shall be prevented. If fast rotating agitators might lead to spraying or even aerosol formation the agitator speed shall be reduced or the machine shall be switched off during the addition. The biocide product can be added at any time during production. Blowing out of product-carrying pipes with compressed air shall be omitted. Further information: see product information

**h) Particulars of likely direct or indirect adverse side effects and any directions for first aid:** Instructions on first aid see section 4.

**i) Leaflet, if applicable warnings for vulnerable groups:** A leaflet will not be created because all required information for the industrial user is stated in the safety data sheet.

**j) Directions for the safe disposal of the biocidal product and its packaging:** Further information: see section 13

**k) Formulation batch number or designation and the expiry date relevant to normal conditions of storage:**  
see product label

**l) Further information:** Cleaning of tools: clean thoroughly with water. Dispose of wastewater properly.

**m) Categories of users to which the biocidal product is restricted:** Industrial user




**n) Where applicable, information on any specific danger to the environment particularly concerning protection of non-target organisms and avoidance of contamination of water:** see section 12

**Trade Name:** PureSeal BacClear Pro

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Mixtures

Dangerous components:

|                                      |  |
|--------------------------------------|--|
| CAS: 68424-85-1<br>EINECS: 270-325-2 | Quaternary ammonium compounds, benzyl (C12 - C16) alkyldimethyl, chlorides<br>Alternative CAS numbers: 85409-22-9, 63449-41-2  |
|                                      |  Skin Corr. 1B, H314; Eye Dam. 1, H318<br> Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1)<br> Acute Tox. 4, H302 |

**Additional information:** Hazard statements see section 16.

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

**Note:**

Obtain special instructions from the poison information centre: 0844-892-0111 (UK only)

**Personal protection for the First Aider.**

|                    |   |
|--------------------|---|
| After inhalation   | Supply fresh air.<br>Supply fresh air; consult doctor in case of symptoms.  |
| After skin contact | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>If skin irritation or rash occurs: Get medical advice/attention.  |
| After eye contact  | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist immediately.   |
| After swallowing   | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.<br>IF SWALLOWED: Immediately call a POISON CENTER/ doctor.<br>Do not give anything by mouth to an unconscious person.<br>Bring vomiting person into recovery position. |

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

Corrosive damage to gastro-intestinal tract.

**Information for doctor:** Probable mucosal damage may contraindicate the use of gastric lavage.

**Danger:** Danger of gastric perforation.

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

If swallowed, gastric irrigation with activated carbon.

Rinse eyes thoroughly with physiological saline.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

**Suitable extinguishing agents:**

Product is non combustible. Use fire fighting measures that suit the environment.

**Unsuitable extinguishing agents for reasons of safety:** None

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

In case of fire, toxic incineration products may be released such as:

Nitrogen oxides (NO<sub>x</sub>)

Hydrogen chloride (HCl)

Carbon monoxide (CO)

#### 5.3 Advice for firefighters

**Protective equipment:** Wear self-contained breathing apparatus.

**Additional information:** Collect contaminated fire fighting water separately. It must not enter drain

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Hi risk of slipping on leaked/spilled product.

Wear protective equipment. Keep unprotected persons away.

When selecting the protective suit attention has to be paid to the complete and safe protection of skin and mucous membranes. Impermeable protective clothes, protective boots made of neoprene, complete face protection and nitrile-rubber-gloves with long tops should be worn.

### 6.2 Environmental precautions:

As the product is hazardous for the aquatic environment, it must be prevented from reaching surface water.

Inform authorities in case of contamination of water or sewage system.

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

Dam and absorb spillage with chemical binder.

Suitable binder: multi-purpose absorbent.

Dispose of contaminated material as waste according to item 13.

Decontamination procedure: Quats are incompatible with anionic compounds, e. g. with anionic surfactants. If product is released unintentionally into waste water, drain the contaminated waste water and collect it in an appropriate container. Adjust with sodium lauryl sulphate solution

(concentration twice as high as the active ingredient in the wastewater) to a mixture ratio of 1:1.

Request further instructions from the supplier. Polluted surfaces can be decontaminated with a 10% sodium lauryl sulphate solution.

### 6.4 Reference to other sections: None

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Handle product in closed systems preferably. Clean contaminated work equipment immediately to avoid skin corrosion/irritation and/or allergic skin reactions in case of unconscious skin contact. Assess hazards arising from work equipment and work places.

**Information about protection against explosion and fire:** No special measures required.

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

**Requirements to be met by storerooms and containers:**

Should be stored in the delivery-container preferably.

**Information about storage in a common storage facility:** None

**Further information about storage conditions:** If the product crystallizes at low temperatures, it can be restored by slowly warming the product. The effectiveness is not affected hereby. Prevent release to the environment by adequate secondary containment design and use of appropriate spill control procedures.

**Minimum storage temperature:** 10 °C

**Sensitivity against frost:** Protect from frost.

### 7.3 Specific end use(s): No further relevant information available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

**Components with critical values that require monitoring at the workplace:** None established.

**Additional information:** Information valid at the time of review of safety data sheet.

### 8.2 Exposure controls

**Technical protective equipment:**

In case of contamination devices to rinse eyes or skin immediately under running water must be available.

**Personal protective equipment**

**General protective and hygienic measures:**

Avoid contact with the eyes and the skin.

Wash hands during work breaks and at the end of the shift. Use skin cream for skin protection. Provide skin protection plan.

**Respiratory protection:** not required

**HAND PROTECTION:****Chemical protective gloves (EN ISO 374-1:2016)**

Wear protective gloves with long gauntlets preferably. Check the condition of protective gloves after each use for any damages like holes, cuts or tears. Do not wear protective gloves longer than necessary. After use of gloves apply skin cleaning agents and skin cosmetics.

**Material of gloves** Nitrile rubber, NBR

**Penetration time of glove material:**

Thickness: 0.4 mm; break-through time: 480 min; material: Nitrile; permeation: level 6

**Gloves made of the following materials are not suitable:**

Gloves for mechanical protection do not provide protection against chemicals.

**EYE PROTECTION:****Face shield/visor (EN 166)**

During filling/transfer, sample taking, repairs and elimination of faults.

To protect the eyes, face and neck against liquid splashes.

Use only with protective spectacles with side protection or full view goggles

**BODY PROTECTION:**

Protective clothing (EN 14605:2009-08)

Protective clothing against liquid chemicals (EN 14605)

Liquid-tight clothing (Type 3) with entire head and neck protection

**APRON:**

**Limitation and supervision of exposure into the environment:** None

**Risk management measures**

The operators shall be instructed adequately.

The workplace shall be inspected regularly by competent personnel e.g. the safety representative

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

## General Information

|  |  |
|--|--|
| Appearance:                                      | <b>Form:</b> Liquid<br><b>Colour:</b> Colourless to yellowish Clear<br>The product could also be dyed as blue or green.  |
| Odour:   | Mild   |
| Odour threshold:                                 | Not relevant for safety  |
| pH-value at 20 °C:                               | 6 - 9 slightly acidic (pH: 5-6,9) to slightly alkaline (pH: 7,1-9,9)   |
| Change in condition                              | <b>Melting point/freezing point:</b> ca. 0 °C<br><b>Initial boiling point and boiling range:</b> 107 °C  |
| Flash point                                      | The mixture has no flashpoint  |
| Flammability (solid, gas)                        | Product is not inflammable.  |
| Auto ignition temperature                        | Not applicable.  |
| Self-inflammability                              | Product is not self-igniting.  |
| Explosive properties                             | No explosive properties (S 2021).  |
| Critical values for explosion                    | <b>Lower:</b> Not applicable<br><b>Upper:</b> Not applicable   |
| Oxidising properties                             | None   |
| Vapour pressure at 20 °C                         | 23 mbar (H <sub>2</sub> O)   |
| Density at 20 °C:                                | 0.975 - 0.995 g/cm <sup>3</sup>  |
| Relative density (D <sub>4</sub> <sup>20</sup> ) | 0.984 (OECD 109 - S 1774)  |
| Vapour density:                                  | Not relevant for safety  |
| Evaporation rate:                                | Not relevant for safety  |
| Solubility in / Miscibility with Water:          | Fully miscible   |
| Partition coefficient: n-octanol/water:          | See section 12   |
| Viscosity:                                       | <b>dynamic at 20 °C:</b> 130.4 mPas (OECD 114 - S 3312)<br><b>kinematic at 40 °C:</b> 74-52 mm <sup>2</sup> /s (OECD 114 - S 3312)<br>This substance/mixture shows the properties of a Newtonian liquid at 20 °C and of a Non-Newtonian liquid at 40 °C. |

**9.2 Other information**

No further relevant information available.

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

The classification criteria for the property "corrosive to metals" according to Annex I section 2.16 CLP Regulation resp. the UN Regulations for the transport of dangerous goods, class 8, are not fulfilled. (S 4357) For information about suitable materials for vessels and piping see section 7.2 (Requirements to be met by storerooms and containers).

**10.2 Chemical stability****Conditions to be avoided:**

No decomposition if used and stored according to specifications.

**Minimum shelf life:** 24 months from production date, if stored at a temperature of about 20°C.

**Trade Name:** PureSeal BacClear Pro

### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

### 10.4 Conditions to avoid

No further relevant information available.

### 10.5 Incompatible materials

Oxidizing agents, Anionic compounds

### 10.6 Hazardous decomposition products

None, if storage and handling is done according to specification

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity:** Harmful if swallowed.

#### Acute toxicity estimates (ATE) or LD<sub>50</sub>/LC<sub>50</sub> values:

|        |                  |                           |
|--------|------------------|---------------------------|
| Oral   | LD <sub>50</sub> | 795 mg/kg (rat) S 477     |
| Dermal | ATE              | >5,000 mg/kg (calculated) |

#### Skin corrosion/irritation:

Causes severe skin burns and eye damage.

#### Serious eye damage/irritation:

Causes serious eye damage.

**Sensitisation:** Based on available data, the classification criteria are not met.

#### Results of studies:

#### 68424-85-1 Quaternary ammonium compounds, benzyl (C12 - C16) alkyldimethyl, chlorides

|                         |                                      |
|-------------------------|--------------------------------------|
| OECD 406 (Buehler-Test) | (Guinea pig) not sensitising - S 480 |
|-------------------------|--------------------------------------|

**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** Based on available data, the classification criteria are not met.

**Reproductive toxicity:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**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.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Aquatic toxicity:

#### 68424-85-1 Quaternary ammonium compounds, benzyl (C12 - C16) alkyldimethyl, chlorides

|                                  |  |
|----------------------------------|--|
| EC <sub>10</sub> / 72 h          | 0.0025 mg/l (Selenastrum capricornutum) (OECD 201) S 470           |
| EC <sub>50</sub> / 72 h          | 0.02 mg/l (Selenastrum capricornutum) (OECD 201) S 470             |
| EC <sub>50</sub> / 48 h          | 0.016 mg/l (Daphnia) Dossier (REACH)                               |
| LC <sub>50</sub> / 96 h (static) | 0.85 mg/l (rainbow trout) (OECD 203) S 469                         |
| NOEC / 21 d                      | 0.025 mg/l (Daphnia) (OECD 211) S 575                              |
| NOEC / 28 d                      | 0.0322 mg/l (fathead minnow) (U.S. EPA FIFRA 72-4) Dossier (REACH) |

**Evaluation:** Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.



|                    |                              |
|--------------------|------------------------------|
| <b>Trade Name:</b> | <b>PureSeal BacClear Pro</b> |
|--------------------|------------------------------|

**Toxicity on activated sludge organisms:**

|   |  |
|---|--|
| 68424-85-1 Quaternary ammonium compounds, benzyl (C12 - C16) alkyldimethyl, chlorides |  |
|---|--|

|                          |                          |
|--------------------------|--------------------------|
| EC <sub>20</sub> / 0.5 h | 5 mg/l (OECD 209) S 2020 |
|--------------------------|--------------------------|

**Evaluation:** Depending on concentration, toxic effects on activated sludge organisms are possible.

**12.2 Persistence and degradability****Rapid degradability of organic substances:**

|   |  |
|---|--|
| 68424-85-1 Quaternary ammonium compounds, benzyl (C12 - C16) alkyldimethyl, chlorides |  |
|---|--|

|                               |              |
|-------------------------------|--------------|
| OECD 301 D Closed-Bottle-Test | > 60 % S 472 |
|-------------------------------|--------------|

**Evaluation:**

The component(s) is (are) rapidly degradable. Substances are considered rapidly degradable in the environment if one of the following criteria holds true: if, in 28-day ready biodegradation studies, at least the following levels of degradation are achieved within 10 days of the start of degradation: 70% dissolved organic carbon or 60% oxygen depletion or carbon dioxide generation; (see CLP-Regulation Annex I section 4.1.2.9 and CLP Guidance version 4.1 Annex II.2).

**Behaviour in sewage treatment plants:**

|   |  |
|---|--|
| 68424-85-1 Quaternary ammonium compounds, benzyl (C12 - C16) alkyldimethyl, chlorides |  |
|---|--|

|                                    |               |
|------------------------------------|---------------|
| OECD 303 A: Activated Sludge Units | > 90 % S 1272 |
|------------------------------------|---------------|

**Evaluation:** The substances are biodegradable/eliminable in activated sludge units.

**12.3 Bioaccumulative potential****BCF / LogKow:**

|   |  |
|---|--|
| 68424-85-1 Quaternary ammonium compounds, benzyl (C12 - C16) alkyldimethyl, chlorides |  |
|---|--|

|                                  |                           |
|----------------------------------|---------------------------|
| OECD 305 Bioconcentration factor | 79 (Fish) Dossier (REACH) |
|----------------------------------|---------------------------|

|                                      |                               |
|--------------------------------------|-------------------------------|
| OECD 107 LogKow (Shake Flask Method) | 2.88 (n-octanol/water) S 2522 |
|--------------------------------------|-------------------------------|

**Evaluation:** Not worth-mentioning accumulating in organisms

**12.4 Mobility in soil**

No further relevant information available.

**12.5 Results of PBT and vPvB assessment**

**PBT:** This mixture does not contain substances that meet the PBT-criteria of REACH, annex XIII.

**vPvB:** This mixture does not contain substances that meet the vPvB-criteria of REACH, annex XIII.

**12.6 Other adverse effects**

None

**12.7 Additional information**

**Chemical Oxygen Demand (COD-value):** 1130 mg O<sub>2</sub>/g product

**Biological oxygen demand (BOD<sub>5</sub>-value):** Not determined

**Metals and their compounds (Directive 2006/11/EC):** None

**European Water Framework Directive (2000/60/EC):**

The product does not contain any priority substances according WFD that require a water monitoring.

**Absorbable organic halogen compounds (AOX - DIN EN ISO 9562 H 14):**

The product does not contain substances, which can influence the AOX of waste water. Care should be paid to properly washing out the chloride when performing the AOX method.



|                    |                              |
|--------------------|------------------------------|
| <b>Trade Name:</b> | <b>PureSeal BacClear Pro</b> |
|--------------------|------------------------------|

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Recommendation

Hazardous waste. Separate waste disposal to be applied.

Appropriate disposal operations according to Directive 2008/98/EC on waste: D 10 Incineration on land

#### European waste catalogue

|           |  |
|-----------|--|
| 16 00 00  | WASTES NOT OTHERWISE SPECIFIED IN THE LIST     |
| 16 03 00  | off-specification batches and unused products  |
| 16 03 05* | organic wastes containing hazardous substances |

#### Contaminated packaging:

##### Recommendation:

Packaging can be reused or recycled after cleaning.

Cleaning liquid can be fed to a biological wastewater treatment plant.

**Recommended cleaning agent:** Water, if necessary with cleaning agent.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN-Number






|                 |        |
|-----------------|--------|
| ADR, IMDG, IATA | UN1760 |
|-----------------|--------|

### 14.2 UN proper shipping name

|      |  |
|------|--|
| ADR  | CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl (C12 - C16) alkyldimethyl, chlorides), ENVIRONMENTALLY HAZARDOUS |
| IMDG | CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl (C12 - C16) alkyldimethyl, chlorides), MARINE POLLUTANT          |
| IATA | CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl (C12 - C16) alkyldimethyl, chlorides)                            |

### 14.3 Transport hazard class(es)

#### ADR

|       |   |
|-------|---|
| ADR   |   |
| Class | 8 (C9) Corrosive substances.  |
| Label | 8   |
| IMDG  |   |
| Class | 8 Corrosive substances.   |
| Label | 8   |
| IATA  |    |
| Class | 8 Corrosive substances.   |
| Label | 8   |

|                    |                              |
|--------------------|------------------------------|
| <b>Trade Name:</b> | <b>PureSeal BacClear Pro</b> |
|--------------------|------------------------------|

**14.4 Packing group:**

|                 |    |
|-----------------|----|
| ADR, IMDG, IATA | II |
|-----------------|----|

**14.5 Environmental hazards:**

|                        |                            |
|------------------------|----------------------------|
| Marine pollutant:      | Yes Symbol (fish and tree) |
| Special marking (ADR): | Symbol (fish and tree)     |

**14.6 Special precautions for user**

Warning: Corrosive substances.

|                    |  |
|--------------------|--|
| Kemler Number:     | 80   |
| EMS Number:        | F-A,S-B  |
| Segregation groups | To list the dangerous good under a certain segregation group is not necessary due to its intrinsic properties in compliance with IMDG section 7.2.5.3. |
| Stowage Category   | B  |
| Stowage Code       | SW2 Clear of living quarters.  |

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Not applicable.**Transport/Additional information:****ADR**

|                          |   |
|--------------------------|---|
| Limited quantities (LQ)  | 1L  |
| Excepted quantities (EQ) | Code: E2      Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| Transport category       | 2   |
| Tunnel restriction code  | E   |

**IMDG**

|                          |   |
|--------------------------|---|
| Limited quantities (LQ)  | 1L  |
| Excepted quantities (EQ) | Code: E2      Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |

**ATA**

|                       |  |
|-----------------------|--|
| Remarks:              | Packing Instructions / max. net weight: Passenger aircraft: 851 / 1 L; Cargo aircraft: 855 / 30 L                                      |
| UN "Model Regulation" | UN 1760 CORROSIVE LIQUID, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS, BENZYL (C12 - C16) ALKYL DIMETHYL, CHLORIDES), 8, II, ENVIRONMENTALLY |

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU legislation: The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixture. Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006). Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

**Trade Name:** PureSeal BacClear Pro

## SECTION 16: OTHER INFORMATION

This data is based on our current knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.

### Relevant phrases

H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

### Training hints

Further information regarding the directions for use can be found in the Product Data Sheet.

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

The classification includes the relevant available information about the mixture or the substances contained therein. The evaluation of the available information within the scope of classification refers to the forms and aggregate states in which the mixture has been placed on the market and will be used most likely.

| Acute toxicity - oral   | On basis of test dat |
|---|----------------------|
| Skin corrosion/irritation<br>Serious eye damage/eye irritation<br>Hazardous to the aquatic environment - short-term (acute) aquatic hazard<br>Hazardous to the aquatic environment - long-term (chronic) aquatic hazard | Calculation method   |

**Contact for technical information** PureSeal BacClear Pro: [info@puresealservices.co.uk](mailto:info@puresealservices.co.uk)

### Abbreviations and acronyms:

Acute Tox. 4: Acute toxicity - oral – Category 4  
Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

### Key literature references and sources for data:

Data source(s): Biocidal product dossier(s) Own studies (reference to S-number).  
Further information regarding physical-chemical, toxicological and ecotoxicological properties of the substances contained, can be taken from the data set for the substance (<http://echa.europa.eu/en/>).

\* Data altered since the previous version.