

## SAFETY DATA SHEET

# Bio Washing Powder

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

*Trade name:* Bio Washing Powder

*Product no.:* CHEM000121 - 5056828802291

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

*Relevant identified uses of the substance or mixture:* Cleaning product  
Restricted to professional users.

*Use descriptors (UK REACH):*

Sectors of use	Description
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Product category	Description
PC 35	Washing and Cleaning Products (including solvent based products)

*Uses advised against :* Uses other than those identified are not recommended

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

*Company and address:* **Zeus Group**  
Unit 500 Grants Row,  
Greenogue Business Park,  
Rathcoole  
Co. Dublin  
D24 TD23  
United Kingdom  
+353 1 401 8900

▼ *E-mail:* info@tridentprofessional.com

*Revision:* 10/02/2025

*SDS Version:* 1.0

*Date of previous version:* 22/01/2025 (1.0)

**1.4. Emergency telephone number**

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)

General public:

England - Dial 111 to reach NHS 111 (24 hour service)

Scotland - Dial 112 to reach NHS 24 (24 hour service)

Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)

See section 4 "First aid measures".

## SECTION 2: HAZARDS IDENTIFICATION

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

### 2.1. Classification of the substance or mixture

Skin Irrit. 2; H315, Causes skin irritation.

Eye Dam. 1; H318, Causes serious eye damage.

### 2.2. Label elements

*Hazard pictogram(s):*



*Signal word:*

Danger

*Hazard statement(s):*

Causes skin irritation. (H315)

Causes serious eye damage. (H318)

*Precautionary statement(s):*

*General:*

-

*Prevention:*

Wash hands and exposed skin thoroughly after handling. (P264)

Wear eye protection/protective gloves. (P280)

*Response:*

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

Immediately call a POISON CENTER/doctor. (P310)

*Storage:*

-

*Disposal:*

-

*Hazardous substances:*

Sodium Percarbonate

*Additional labelling:*

Not applicable.

*Labelling of contents according to*

5% - 15%

*Detergents Regulation (EC) No*

· Oxygen-based bleaching Agents

*648/2004 as retained and amended in*

< 5%

*UK law:*

· Anionic surfactants

· Enzymes

### 2.3. Other hazards

*Additional warnings:*

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
sodium carbonate	CAS No.: 497-19-8 EC No.: 207-838-8 UK-REACH: Index No.: 011-005-00-2	15-25%	Eye Irrit. 2, H319	
Sodium Percarbonate	CAS No.: 15630-89-4 EC No.: 239-707-6 UK-REACH: Index No.:	5-10%	Ox. Sol. 2, H272 Acute Tox. 4, H302 Eye Dam. 1, H318	
disodium dioxido(oxo)silane pentahydrate	CAS No.: 10213-79-3 EC No.: 600-279-4 UK-REACH: Index No.:	3-5%	Skin Corr. 1B, H314 STOT SE 3, H335	
Sodium dodecylbenzenesulfonate	CAS No.: 25155-30-0 EC No.: 246-680-4 UK-REACH: Index No.:	1-3%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

## Other information

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## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

*General information:*

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

*Inhalation:*

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

*Skin contact:*

IF ON SKIN: Wash with plenty of water/water and soap. Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

*Eye contact:*

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

*Ingestion:*

If the person is conscious, rinse the mouth with water and

stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

*Burns:*

Not applicable.

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

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

High amounts of dust can cause coughing and general irritation of the respiratory airways.

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

IF exposed or concerned:

Get immediate medical advice/attention.

#### **Information to medics**

Bring this safety data sheet or the label from this product.

### **SECTION 5: FIREFIGHTING MEASURES**

#### **5.1. Extinguishing media**

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

Some metal oxides

#### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

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

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

Avoid direct contact with spilled substances.

Contaminated areas may be slippery.

#### **6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

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

Collect spills carefully. Moist the material with water in order to prevent the formation and propagation of dust.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.  
See section 8 "Exposure controls/personal protection" for protective measures.

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Avoid direct contact with the product.  
Smoking, drinking and consumption of food is not allowed in the work area.  
See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Powder trickling out onto the floor or onto other containers must be prevented.

*Recommended storage material:* Keep only in original packaging.

*Storage conditions:* Dry, cool and well ventilated

*Incompatible materials:* Strong acids  
Strong oxidizing agents

#### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

##### DNEL

sodium carbonate

Duration:	Route of exposure:	DNEL:
Long term - Local effects - General population	Inhalation	5 mg/m <sup>3</sup>
Long term - Local effects - Workers	Inhalation	10 mg/m <sup>3</sup>

Sodium dodecylbenzenesulfonate

Duration:	Route of exposure:	DNEL:
Long term - Local effects - General population	Dermal	787 µg/cm <sup>2</sup>
Long term - Local effects - Workers	Dermal	1.57 mg/cm <sup>2</sup>
Long term - Systemic effects - General population	Dermal	28.6 mg/kg bw/day
Long term - Systemic effects - Workers	Dermal	57.2 mg/kg bw/day
Short term - Local effects - General population	Dermal	787 µg/cm <sup>2</sup>
Short term - Local effects - Workers	Dermal	1.57 mg/cm <sup>2</sup>
Short term - Systemic effects - General population	Dermal	40 mg/kg bw/day
Short term - Systemic effects - Workers	Dermal	80 mg/kg bw/day
Long term - Local effects - General population	Inhalation	26 mg/m <sup>3</sup>
Long term - Local effects - Workers	Inhalation	52 mg/m <sup>3</sup>

Long term – Systemic effects - General population	Inhalation	26 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	52 mg/m <sup>3</sup>
Short term – Local effects - General population	Inhalation	26 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	52 mg/m <sup>3</sup>
Short term – Systemic effects - General population	Inhalation	26 mg/m <sup>3</sup>
Short term – Systemic effects - Workers	Inhalation	52 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	13 mg/kg bw/day
Short term – Systemic effects - General population	Oral	13 mg/kg bw/day

#### Sodium Percarbonate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	6.4 mg/cm <sup>2</sup>
Long term – Local effects - Workers	Dermal	12.8 mg/cm <sup>2</sup>
Short term – Local effects - General population	Dermal	6.4 mg/cm <sup>2</sup>
Short term – Local effects - Workers	Dermal	12.8 mg/cm <sup>2</sup>
Long term – Local effects - Workers	Inhalation	5 mg/m <sup>3</sup>

## PNEC

#### Sodium dodecylbenzenesulfonate

Route of exposure:	Duration of Exposure:	PNEC:
Air		10 mg/m <sup>3</sup>
Freshwater		693 µg/L
Freshwater sediment		27.5 mg/kg
Intermittent release (freshwater)		654 µg/L
Marine water		1 mg/L
Marine water sediment		2.75 mg/kg
Predators		20 mg/kg
Sewage treatment plant		50 mg/L
Soil		25 mg/kg

#### Sodium Percarbonate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		35 µg/L
Intermittent release (freshwater)		35 µg/L
Marine water		35 µg/L
Sewage treatment plant		16.24 mg/L

## 8.2. Exposure controls

Apply general control to prevent unnecessary exposure

*General recommendations:*

Smoking, drinking and consumption of food is not allowed in the work area.

*Exposure scenarios:*

There are no exposure scenarios implemented for this product.

*Exposure limits:*

Occupational exposure limits have not been defined for the substances in this product.

**Appropriate technical measures:** Apply standard precautions during use of the product. Avoid inhalation of gas or dust. Ensure that eyewash stations and safety showers are located within easy reach. Airborne gas and dust concentrations must be kept at a minimum. Provide efficient mechanical ventilation. If not possible use suitable respiratory equipment.

**Hygiene measures:** Take off contaminated clothing and wash it before reuse.

**Measures to avoid environmental exposure:** No specific requirements.

### Individual protection measures, such as personal protective equipment

**Generally:** Use only UKCA marked protective equipment.


#### Respiratory Equipment:

Type	Class	Colour	Standards	
Ensure there is sufficient ventilation.				


#### Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

#### Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Gloves	-	> 360	EN374	

#### Eye protection:

Type	Standards	
Safety glasses	EN166	

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

**Physical state:** Powder

**Colour:** White

**Odour / Odour threshold:** None

**pH:** 9.5-10.0

**Density (g/cm<sup>3</sup>):** -

**Relative density:** 1.1

**Kinematic viscosity:** Does not apply to solids.

**Particle characteristics:** No relevant or available data due to the nature of the

product.

### Phase changes

<i>Melting point/Freezing point (°C):</i>	No relevant or available data due to the nature of the product.
<i>Softening point/range (°C):</i>	Does not apply to solids.
<i>Boiling point (°C):</i>	Does not apply to solids.
<i>Vapour pressure:</i>	No relevant or available data due to the nature of the product.
<i>Relative vapour density:</i>	Does not apply to solids.
<i>Decomposition temperature (°C):</i>	No relevant or available data due to the nature of the product.

### Data on fire and explosion hazards

<i>Flash point (°C):</i>	Does not apply to solids.
<i>Flammability (°C):</i>	No relevant or available data due to the nature of the product.
<i>Auto-ignition temperature (°C):</i>	No relevant or available data due to the nature of the product.
<i>Lower and upper explosion limit (% v/v):</i>	Does not apply to solids.

### Solubility

<i>Solubility in water:</i>	Soluble
<i>n-octanol/water coefficient (LogKow):</i>	No relevant or available data due to the nature of the product.
<i>Solubility in fat (g/L):</i>	No relevant or available data due to the nature of the product.

### 9.2. Other information

<i>Oxidizing properties:</i>	No relevant or available data due to the nature of the product.
<i>Other physical and chemical parameters:</i>	No data available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

- Strong acids
- Strong oxidizing agents



## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

#### Acute toxicity

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

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/irritation

Causes serious eye damage.

#### Respiratory sensitisation

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

#### Skin sensitisation

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.

### 11.2. Information on other hazards

#### Long term effects

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

#### Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

#### Other information

None known.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

No data available.

### 12.2. Persistence and degradability

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

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**12.3. Bioaccumulative potential**

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

**12.4. Mobility in soil**

No data available.

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

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

**12.6. Endocrine disrupting properties**

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

**12.7. Other adverse effects**

None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

Product is covered by the regulations on hazardous waste.  
 HP 4 - Irritant (skin irritation and eye damage)  
 Dispose of contents/container to an approved waste disposal plant.  
 Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

**EWC code**

Not applicable.

**Specific labelling**

**Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

**SECTION 14: TRANSPORT INFORMATION**

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informat ion:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

**Additional information**

Not dangerous goods according to ADR, IATA and IMDG.

**14.6. Special precautions for user**

Not applicable.

**14.7. Maritime transport in bulk according to IMO instruments**

No data available.

**SECTION 15: REGULATORY INFORMATION**

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

<i>Restrictions for application:</i>	Restricted to professional users.
<i>Demands for specific education:</i>	No specific requirements.
<i>Control of Major Accident Hazards (COMAH) - Categories / dangerous substances:</i>	Not applicable.
<i>Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law:</i>	<p>5% - 15%</p> <ul style="list-style-type: none"> <li>· Oxygen-based bleaching Agents</li> </ul> <p>&lt; 5%</p> <ul style="list-style-type: none"> <li>· Anionic surfactants</li> <li>· Enzymes</li> </ul>
<i>Additional information:</i>	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
<i>Sources:</i>	<p>The Management of Health and Safety at Work Regulations 1999.</p> <p>Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.</p> <p>Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.</p> <p>Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.</p> <p>Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.</p>

**15.2. Chemical safety assessment**

No

**SECTION 16: OTHER INFORMATION**

**Full text of H-phrases as mentioned in section 3**

- H272, May intensify fire; oxidiser.
- H302, Harmful if swallowed.
- 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.

### **The full text of identified uses as mentioned in section 1**

LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
PC 35 = Washing and Cleaning Products (including solvent based products)

### **Abbreviations and acronyms**

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CE = Conformité Européenne (European conformity)  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EuPCS = European Product Categorisation System  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
GWP = Global warming potential  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

### **Additional information**

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

**The safety data sheet is validated by**

Anglian Chemicals

**Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en