



## SAFETY DATA SHEET GEMINI BIOLOGICAL LAUNDRY POWDER

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

#### 1.1. Product identifier

<b>Product name</b>	GEMINI BIOLOGICAL LAUNDRY POWDER
<b>Internal identification</b>	031118
<b>Container size</b>	10kg

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

<b>Identified uses</b>	Low foam lather detergent washing powder suitable for all washing machines and water conditions. Suitable for hand washing.
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#### 1.3. Details of the supplier of the safety data sheet

<b>Supplier</b>	Cleenol Group Ltd Neville House Beaumont Road Banbury Oxon OX16 1RB UK Tel: +44 (0)1295 251721 sales@cleenol.co.uk
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#### 1.4. Emergency telephone number

<b>Emergency telephone</b>	In case of a medical emergency following exposure to a chemical, call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only).
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

<b>Physical hazards</b>	Not Classified
<b>Health hazards</b>	Skin Irrit. 2 - H315 Eye Dam. 1 - H318
<b>Environmental hazards</b>	Not Classified

#### 2.2. Label elements

##### Hazard pictograms



<b>Signal word</b>	Danger
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<b>Hazard statements</b>	EUH208 Contains SUBTILISIN, AMYLASE, alpha. May produce an allergic reaction. H315 Causes skin irritation. H318 Causes serious eye damage.
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## GEMINI BIOLOGICAL LAUNDRY POWDER

<b>Precautionary statements</b>	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p>
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<b>Contains</b>	SODIUM CARBONATE PEROXYHYDRATE, DISODIUM METASILICATE, SODIUM DODECYLBENZENESULFONATE
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### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>SODIUM CARBONATE</b>	<b>10-30%</b>
CAS number: 497-19-8                      EC number: 207-838-8	
<b>Classification</b>	
Eye Irrit. 2 - H319	
<b>SODIUM CARBONATE PEROXYHYDRATE</b>	<b>5-10%</b>
CAS number: 15630-89-4                      EC number: 239-707-6	
<b>Classification</b>	
Ox. Sol. 2 - H272 Acute Tox. 4 - H302 Eye Dam. 1 - H318	
<b>DISODIUM METASILICATE</b>	<b>1-5%</b>
CAS number: 10213-79-3                      EC number: 229-912-9                      REACH registration number: 01-2119449811-37-XXXX	
<b>Classification</b>	
Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335	
<b>SODIUM DODECYLBENZENESULFONATE</b>	<b>1-5%</b>
CAS number: 25155-30-0                      EC number: 246-680-4	
<b>Classification</b>	
Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318	

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<b>SUBTILISIN</b>	<b>&lt;1%</b>
CAS number: 9014-01-1	EC number: 232-752-2
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Resp. Sens. 1 - H334 STOT SE 3 - H335	
<b>AMYLASE</b>	<b>&lt;1%</b>
CAS number: 9000-90-2	EC number: 232-565-6
<b>Classification</b> Resp. Sens. 1 - H334	

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	In the event of an allergic reaction, ensure further exposure is prevented.
<b>Inhalation</b>	Due to the physical nature of this product, exposure by this route is unlikely.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Keep affected person under observation. Get medical attention if a large quantity has been ingested.
<b>Skin contact</b>	Rinse with water.
<b>Eye contact</b>	Do not rub eye. Rinse cautiously with water for several minutes. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention if irritation persists after washing.

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

<b>General information</b>	May produce an allergic reaction.
<b>Inhalation</b>	No adverse effects known. The product is considered to be a low hazard under normal conditions of use.
<b>Ingestion</b>	No harmful effects expected from quantities likely to be ingested by accident.
<b>Skin contact</b>	May cause irritation.
<b>Eye contact</b>	May cause serious eye damage.

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

<b>Notes for the doctor</b>	No specific recommendations.
<b>Specific treatments</b>	Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	None known.

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

**Specific hazards**                      None known.

### 5.3. Advice for firefighters

**Protective actions during firefighting**                      No specific firefighting precautions known.

**Special protective equipment for firefighters**                      Use protective equipment appropriate for surrounding materials. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

**Personal precautions**                      Avoid contact with eyes and prolonged skin contact.

### 6.2. Environmental precautions

**Environmental precautions**                      Not regarded as dangerous for the environment.

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

**Methods for cleaning up**                      Collect spillage with a shovel and broom, or similar and reuse, if possible. Avoid generation and spreading of dust.

### 6.4. Reference to other sections

**Reference to other sections**                      For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions**                      For professional users only. Avoid contact with eyes and prolonged skin contact.

**Advice on general occupational hygiene**                      No specific requirements are anticipated under normal conditions of use.

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

**Storage precautions**                      Keep only in the original container. Protect from moisture. Keep container tightly sealed when not in use.

**Storage class**                      Unspecified storage.

### 7.3. Specific end use(s)

**Specific end use(s)**                      The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### DISODIUM METASILICATE (CAS: 10213-79-3)

**DNEL**

Workers - Dermal; Long term : 1.49 mg/kg/day  
 Workers - Inhalation; Long term : 6.22 mg/m<sup>3</sup>  
 Consumer - Dermal; Long term : 0.74 mg/kg/day  
 Consumer - Inhalation; Long term : 1.55 mg/m<sup>3</sup>  
 Consumer - Oral; Long term : 0.74 mg/kg/day

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### PNEC

Fresh water; 7.5 mg/l  
 marine water; 1 mg/l  
 Water, Intermittent release; 7.5 mg/l  
 STP; 1000 mg/l

### 8.2. Exposure controls

#### Protective equipment



#### Eye/face protection

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

#### Hand protection

No specific requirements are anticipated under normal conditions of use. For users with sensitive skin, it is recommended that suitable protective gloves are worn. Wear protective gloves made of the following material: Rubber (natural, latex). Nitrile rubber.

#### Respiratory protection

No specific requirements are anticipated under normal conditions of use.

### SECTION 9: Physical and chemical properties

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

Appearance	Granules.
Odour	Perfume.
pH	Aqueous solutions are basic.
Melting point	No information available.
Flash point	Not applicable.
Relative density	~ 1.1
Solubility(ies)	Soluble in water.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	No information available.
Explosive properties	Not applicable.
Oxidising properties	Does not meet the criteria for classification as oxidising.

#### 9.2. Other information

Volatile organic compound	Not applicable.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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#### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.
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#### 10.4. Conditions to avoid

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**Conditions to avoid**                    There are no known conditions that are likely to result in a hazardous situation.

### 10.5. Incompatible materials

**Materials to avoid**                    No specific requirements are anticipated under normal conditions of use.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products**                    No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**ATE oral (mg/kg)**                    5,263.16

## SECTION 12: Ecological information

**Ecotoxicity**                                No negative effects on the aquatic environment are known. Not regarded as dangerous for the environment.

### 12.1. Toxicity

### 12.2. Persistence and degradability

**Persistence and degradability**                    Moderately biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential**                    The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

**Mobility**                                        Soluble in water.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment**                    This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects**                    None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information**                    Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor.

**Disposal methods**                    The product is designed and intended for disposal to public sewer after use.

## SECTION 14: Transport information

**General**                                        The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

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No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

#### **Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

**Annex II of MARPOL 73/78  
and the IBC Code**

## SECTION 15: Regulatory information

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

#### **EU legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).

### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>Issued by</b>	Regulatory Chemist
<b>Revision date</b>	06/05/2020
<b>Revision</b>	1
<b>SDS number</b>	21264
<b>Hazard statements in full</b>	H272 May intensify fire; oxidiser. H290 May be corrosive to metals. 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. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. EUH208 Contains SUBTILISIN, AMYLASE, alpha. May produce an allergic reaction.

## GEMINI BIOLOGICAL LAUNDRY POWDER

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.