

# CLEENOL

For a cleaner, safer world

## SAFETY DATA SHEET CRYSTALBRITE BIO LAUNDRY POWDER

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

#### 1.1. Product identifier

Product name	CRYSTALBRITE BIO LAUNDRY POWDER
Internal identification	031118
Container size	10kg

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

Identified uses	Detergent.
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#### 1.4. Emergency telephone number

Emergency telephone	In case of a medical emergency following exposure to a chemical, call NHS Direct via 111 (UK only).
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### SECTION 2: Hazards identification

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

##### Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Eye Dam. 1 - H318
Environmental hazards	Not Classified

#### 2.2. Label elements

##### Hazard pictograms



Signal word	Danger
Hazard statements	EUH208 Contains Lipase, triacylglycerol, AMYLASE, SUBTILISIN. May produce an allergic reaction. H318 Causes serious eye damage.
Precautionary statements	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/ doctor.

## CRYSTALBRITE BIO LAUNDRY POWDER

**Contains**

SODIUM CARBONATE PEROXYHYDRATE, SODIUM METASILICATE, SODIUM  
DODECYLBENZENESULFONATE

**2.3. Other hazards**
**SECTION 3: Composition/information on ingredients**
**3.2. Mixtures**

<b>SODIUM CARBONATE</b>	<b>&lt;20%</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>SODIUM METASILICATE</b>	<b>&lt;5%</b>
CAS number: 10213-79-3	EC number: 229-912-9
<b>Classification</b>	
Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335	
<b>SODIUM DODECYLBENZENESULFONATE</b>	<b>&lt;3%</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	
<b>Lipase, triacylglycerol</b>	<b>&lt;1%</b>
CAS number: 9001-62-1	
<b>Classification</b>	
Resp. Sens. 1 - H334	
<b>AMYLASE</b>	<b>&lt;1%</b>
CAS number: 9000-90-2	EC number: 232-565-6
<b>Classification</b>	
Resp. Sens. 1 - H334	

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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	

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>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Do not induce vomiting. Give plenty of water to drink. Get medical attention if a large quantity has been ingested.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. In the event of any sensitisation symptoms developing, ensure further exposure is avoided.
<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 symptoms are severe or persist after washing.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	May cause respiratory irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin contact</b>	May cause irritation.
<b>Eye contact</b>	Causes 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.

## CRYSTALBRITE BIO LAUNDRY POWDER

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

<b>Specific hazards</b>	None known.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	No specific firefighting precautions known.
<b>Special protective equipment for firefighters</b>	Use protective equipment appropriate for surrounding materials. Firefighter's clothing will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Avoid contact with eyes and prolonged skin contact. Use suitable respiratory protection if ventilation is inadequate.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Avoid discharge into drains and the aquatic environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Collect spillage with a shovel and broom, or similar and reuse, if possible. Avoid generation and spreading of dust. Place waste in labelled, sealed containers. Flush contaminated area with plenty of water.
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### 6.4. Reference to other sections

<b>Reference to other sections</b>	For personal protection, see Section 8. For waste disposal, see Section 13.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<b>Usage precautions</b>	For professional users only. Avoid contact with eyes and prolonged skin contact.
<b>Advice on general occupational hygiene</b>	No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

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

<b>Storage precautions</b>	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at room temperature.
<b>Storage class</b>	Unspecified storage.

### 7.3. Specific end use(s)

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
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## CRYSTALBRITE BIO LAUNDRY POWDER

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

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

<b>DNEL</b>	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
<b>PNEC</b>	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



##### Appropriate engineering controls

Provide adequate ventilation.

##### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment that provides appropriate eye and face protection should be worn.

##### 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.

##### Hygiene measures

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

##### Respiratory protection

No specific requirements are anticipated under normal conditions of use. 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>	Granules.
<b>Colour</b>	White. With coloured speckles.
<b>Odour</b>	Pleasant, agreeable.
<b>pH</b>	pH (concentrated solution): 9.5 - 10
<b>Melting point</b>	No information available.
<b>Flash point</b>	Not applicable.
<b>Relative density</b>	~ 1.1
<b>Solubility(ies)</b>	Soluble in water.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition Temperature</b>	No information available.

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<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

<b>Other information</b>	None.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

<b>Stability</b>	Stable at normal ambient temperatures.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid excessive heat for prolonged periods of time.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	No specific requirements are anticipated under normal conditions of use.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Toxicological effects</b>	Information given is based on data of the components and of similar products.
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### Acute toxicity - oral

<b>ATE oral (mg/kg)</b>	5,555.56
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<b>General information</b>	The product is not believed to present a hazard due to its physical nature.
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<b>Inhalation</b>	The product is considered to be a low hazard under normal conditions of use. May cause irritation.
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<b>Ingestion</b>	No harmful effects expected from quantities likely to be ingested by accident.
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<b>Skin contact</b>	Skin irritation should not occur when used as recommended. May cause skin sensitisation or allergic reactions in sensitive individuals.
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<b>Eye contact</b>	Causes serious eye damage.
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## SECTION 12: Ecological information

<b>Ecotoxicity</b>	No negative effects on the aquatic environment are known.
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### 12.1. Toxicity

<b>Toxicity</b>	The product is not believed to present a hazard due to its physical nature.
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## CRYSTALBRITE BIO LAUNDRY POWDER

### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

### 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 in public sewers after use. Dispose of contents/container in accordance with national regulations.

## 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)

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 Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## CRYSTALBRITE BIO LAUNDRY POWDER

### SECTION 15: Regulatory information

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

**National regulations** The Detergents Regulations 2010 (SI 2010 No. 740) (as amended). The Detergents (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 612) (as amended). The Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 671) (as amended).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Issued by</b>	Regulatory Chemist
<b>Revision date</b>	02/07/2021
<b>Revision</b>	2
<b>Supersedes date</b>	06/05/2020
<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 Lipase, triacylglycerol, AMYLASE, SUBTILISIN. May produce an allergic reaction.

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.