

SAFETY DATA SHEET - CROCKERY DESTAIN POWDER

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) 1272/2008 (CLP)

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name	Crockery Destain Powder	
Trade name	XSTR	
CAS No.		n/a
EINECS No.		n/a

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

Identified use(s)	Heavy Duty Destaining powder. For removal of tea and coffee stains from crockery, cutlery, etc.
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1.3 Details of the supplier of the safety data sheet

Company Identification	Bio Productions Ltd
Company Address	72 Victoria Road, Burgess Hill, RH15 9LH, United Kingdom
Telephone	0044 (0) 1444 244000
Fax	0044 (0) 1444 244999
E-Mail (competent person)	technical@bio-productions.com

1.4 Emergency telephone number

Emergency Phone No.	0044 (0) 1444 244000 (office hours only)
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2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	Eye dam. Cat.1 - H318 Causes serious eye damage
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2.1 Regulation (EC) No. 1272/2008 (CLP)	Classification according to Regulation (EC) No 1272/2008 (CLP)
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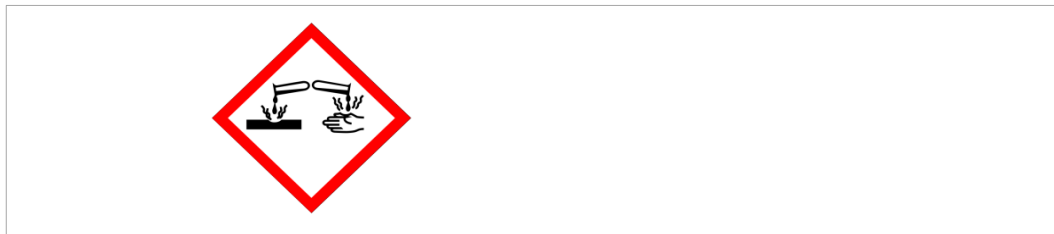
2.1 Directive 67/548/EEC & Directive 1999/45/EC	Classification according to Directive 1999/45/EC R41
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2.2 Label elements

2.2.1 Label elements	According to Regulation (EC) No 1272/2008 (CLP)
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GHS Product Identifier

Hazard pictogram(s) CLP



Signal word(s) CLP	Danger
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Hazard statement(s)	H318 Causes serious eye damage
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Precautionary statement(s)	P102 Keep out of reach of children P260 Do not breathe dust/mist/spray P264 Wash skin thoroughly after handling P280 Wear protective gloves P301+P312 IF SWALLOWED: call a POISON CENTRE or doctor/physician if you feel unwell. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Hazardous Ingredient(s):	EINECS No	CAS NUMBER	%W/W	REACH according to Directive 67/548/EEC	CLP according to Regulation EC/1272/2008
Sodium Carbonate	207-838-8	497-19-8	5-15	Xi;R36	Ser. eye dam/irrit.2A; H319
Sodium percarbonate		15630-89-4	5-15	Xn, O; R8,22, 38,41,66	Oxid. Sol. 2- H272; Acut. tox. 4 - H302 Skin Irrit. 2- H315; Eye Dam. 1- H318
Isotridecanol ethoxylate		24938-91-8	<2	Xn; R22 & R41	Acute tox. 4 -H302 Eye dam.1 - H318
Subtilisin	232-752-2	9014-01-1	<1	Xn; R36/38, R42	Eye irrit. 2A - H319; Skin irrit. 2 - H315; Sens. Respiratory 1 - H334
Non Hazardous Ingredient(s):	EINECS No	CAS NUMBER	%W/W	SYMBOL	RISK PHRASES

4 FIRST AID MEASURES



4.1 Description of first aid measures (Symptoms)

Inhalation	With normal use should not present a hazard
Skin Contact	May cause irritation
Eye Contact	May cause serious irritation
Ingestion	May cause burns to the mouth, throat and digestive tract
Additional Information	Symptomatic treatment

4.2 Description of first aid measures (Actions)

Inhalation	If affected, remove to fresh air, keep warm and at rest. Obtain medical attention in severe cases.
Skin Contact	Wash skin with soap and water. In severe cases obtain medical help.
Eye Contact	In case of contact, rinse immediately with plenty of water for at least 10-15 minutes. Obtain medical attention if irritation persists
Ingestion:	Do not give anything by mouth to an unconscious person. Wash out mouth with water and give copious amounts of water to drink. Do not induce vomiting. Obtain medical advice if patient unwell.
Additional Information	Always launder contaminated clothing before re-use

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media	Product not flammable. Water spray, foam, dry powder or CO2 for surrounding fires.
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5.2 Special hazards arising from the

Substance or mixture	
Exposure hazards	In combustion emits toxic fumes

5.3 Advice for fire-fighters

Special protective equipment for fire fighters	Full protective equipment including self-contained respiratory protection
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6 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing – see section 8 of SDS
- 6.2 Environmental precautions** Do not discharge into drains or rivers.
- 6.3 Methods and material for containment and cleaning up** Wearing gloves sweep up and return to original container. If contaminated and is unable to be used the material should be disposed of under local authority regulations. Flush any residues with plenty of water.
- 6.4 Reference to other sections** Not applicable
- 6.5 Additional Information** Spillages will prove slippery if product gets wet
Clean up should be dealt with only by qualified personnel familiar with the specific product characteristics.

7 HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Avoid contact with eyes or skin. Ensure there is sufficient ventilation of the area. Do not handle in a confined space.
- 7.2 Conditions for safe storage, including any incompatibilities** Keep in original containers
- 7.3 Suitable packaging** Keep in original HDPE containers.
- 7.3 Specific end use(s)** Keep tightly closed when not in use
Do not store below 5°C or above 30°C

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Hazardous Ingredients

Subtilisins (CAS number 9014-01-1)

Workplace exposure limits

Respirable dust

State	8 hour TWA	15 min STEL	8 hour TWA	15 min Stel
Dust			0.00004 mg/m3	

8.2 Exposure Controls

- Engineering measures** Ensure there is sufficient ventilation of the area.
- Respiratory Protection** Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with a particle filter is recommended.
- Hand Protection** Wear protective gloves (Butyl rubber or Polyvinyl chloride)
Always wash hands thoroughly after handling product.
- Eye Protection** Wear tightly fitting goggles. Ensure eye bath is to hand.
- Skin Protection** Wear suitable protective overalls

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9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on the basic physical and chemical properties

Form:	Powder.
Odour:	Odourless/slight
Colour:	White/ blue fleck
Viscosity:	Not Applicable
pH (Value):	12 Typical (1% solution)
Density (g/ml):	Not measured
Boiling Point:	Not Applicable
Flash Point:	Not Applicable
Melting Point:	Not Applicable
Pour Point (Deg C):	Not Applicable
Auto Ignition Temp.	Not Applicable
Vapour Pressures:	Not Applicable
Solubility (water):	Soluble
Solubility (other):	Not Applicable
Partition Coefficient:	Not Applicable
Flammable Limits:	Not applicable
Oxidising Props.	Not applicable

9.2 Other information

No additional information available

10 STABILITY AND REACTIVITY

10.1 Reactivity

Use only as directed.
Not classified as explosive.

10.2 Chemical Stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

No polymerisation reaction expected

10.4 Conditions to avoid

Extremes of temperature and moisture (in storage)
Do not mix with acids. Reacts with acid to release carbon dioxide gas.

10.5 Incompatible materials

Do not mix with acids.

10.6 Hazardous decomposition products

Burning produces Oxides of Carbon

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicity values

Route	Species	Test	Value	Units
No information	available			

Relevant effects for mixture

Effect	Route	Basis

11.2 Symptoms / Routes of exposure

Skin contact	May cause irritation to skin with contact
Eye Contact	Causes burns, risk of corneal damage
Ingestion	May cause irritation to the mouth, throat and digestive tract May also Cause nausea.
Inhalation	Dust is irritating to the respiratory tract.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Eco Toxicity values

Species	Test	Value	Units

12.2 Persistence and degradability

The surfactant(s) used in this preparation comply(ies) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. 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

No bioaccumulation potential.

12.4 Mobility in soil

Readily absorbed into soil

12.5 Results of PBT and vPvB assessment

Does not contain PBT or vPvB substances.

12.6 Other Adverse Effects

Negligible ecotoxicity.

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13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations	Dispose of in accordance with Local Authority Guidelines and Regulations
Disposal of packaging	Dispose of in accordance with Local Authority Guidelines and Regulations

NB: The users attention is drawn to the possible existence of regional or national regulations regarding disposal

14 TRANSPORT INFORMATION

14.1 UN Number Not regulated for transport

14.2 UN Proper shipping name

14.3 Transport hazard class(es)

ARD/RID	:	Class
IMDG	:	Proper shipping name
IATA	:	Proper shipping name

14.4 Packing Group

14.5 Environmental hazards

Environmental hazardous

Marine pollutant

14.6 Special precautions for user

15 REGULATORY INFORMATION

This preparation was classified in compliance with the following directions and regulations

Regulation (EC) No 1907/2006 (REACH) and amendments thereof up to and including Regulation (EU) No 453/2010. Regulation (EC) No 1272 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures.

None of the constituent ingredients are listed on the candidate list of Substances of Very High Concern for Authorization in accordance with Article 59(10) of the REACH Regulation.

EH40/2005 Workplace exposure limits and amendments as published in 2011.

other provisions

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in this safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

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15 REGULATORY INFORMATION (continued)

15.2 chemical safety assesment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16 OTHER INFORMATION

16.1 Phrases used in Sections 2 and 3

Hazard Statements

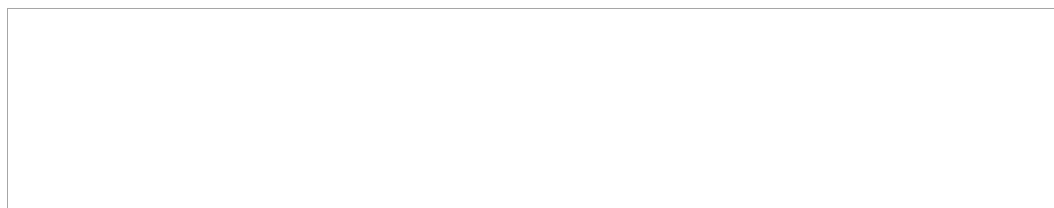
H272 May intensify fire: oxidiser
H302 Harmful if swallowed
H319 Causes serious eye irritation
H319/H315 Causes serious eye and skin irritation
H318 Causes serious eye damage
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
EUH066 Repeated exposure may cause skin dryness or cracking.

Risk phrases

R8 Contact with combustible material may cause fire
R22 Harmful if swallowed
R36 Irritating to eyes
R36/38 Irritating to eyes and skin
R41 Risk of serious damage to eyes
R42 May cause sensitisation by inhalation
R66 Reapedted exposure may cause skin dryness or cracking

16.2 Other information

Contains:
Phosphates 15 -30%
Oxygen based bleaching agents 5 -15%
Non-ionic surfactants - less than 5%
Enzymes: SUBTILISIN
CONTAINS: SODIUM PERCABONATE PEROXYHYDRATE



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.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements & local regulations
This company shall not be held liable for any damage resulting from handling or from contact with the above product.