



SAFETY DATA SHEET CRYSTALBRITE DESTAIN PLUS

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

1.1. Product identifier

Product name	CRYSTALBRITE DESTAIN PLUS
Internal identification	CRLD2X
Container size	10L, 20L

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

Identified uses	Laundry bleach.
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1.3. Details of the supplier of the safety data sheet

Supplier	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

Emergency telephone	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)

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	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 DESTAIN PLUS

Contains HYDROGEN PEROXIDE SOLUTION ...100%

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

HYDROGEN PEROXIDE SOLUTION ...100%	10-30%
CAS number: 7722-84-1	EC number: 231-765-0
	REACH registration number: 01-2119485845-22-XXXX

Classification

Ox. Liq. 1 - H271
 Acute Tox. 4 - H302
 Skin Corr. 1A - H314
 Eye Dam. 1 - H318
 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

Inhalation	Unlikely route of exposure as the product does not contain volatile substances.
Ingestion	Give plenty of water to drink. Get medical attention if any discomfort continues.
Skin contact	Wash with plenty of water. No special treatment required.
Eye contact	Rinse cautiously with water for several minutes. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention if any discomfort continues.

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

Inhalation	Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature.
Ingestion	May be harmful if swallowed.
Skin contact	May cause irritation. Repeated exposure may cause skin dryness or cracking.
Eye contact	Causes serious eye damage.

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

Notes for the doctor	No specific recommendations.
Specific treatments	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards	None known.
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5.3. Advice for firefighters

CRYSTALBRITE DESTAIN PLUS

Protective actions during firefighting Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters 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. Take care as floors and other surfaces may become slippery. Do not touch or walk into spilled material.

6.2. Environmental precautions

Environmental precautions Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid contamination of ponds or watercourses with washing down water. Discharge of small quantities to the sewer with plenty of water may be permitted.

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. Avoid spilling.

Advice on general occupational hygiene Wash contaminated skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container. Store at room temperature. Protect from freezing and direct sunlight.

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. Refer to Product Use Guide (PUG) for further information.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

HYDROGEN PEROXIDE SOLUTION ...100%

Long-term exposure limit (8-hour TWA): WEL 1 ppm 1.4 mg/m³

Short-term exposure limit (15-minute): WEL 2 ppm 2.8 mg/m³

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective equipment



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Appropriate engineering controls	Not applicable.
Eye/face protection	No specific eye protection required during normal use. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
Hand protection	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). Wear protective gauntlets made of the following material: Polyvinyl chloride (PVC).
Hygiene measures	Wash promptly if skin becomes contaminated.
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	Clear liquid.
Colour	Colourless.
Odour	Odourless.
pH	pH (concentrated solution): 2 - 4
Initial boiling point and range	100°C
Relative density	1.07 @ 20°C
Auto-ignition temperature	Not applicable.
Viscosity	Non-viscous.
Explosive properties	Not considered to be explosive.
Oxidising properties	The product contains a substance classified as oxidising.

9.2. Other information

Refractive index	5 - 8
Volatile organic compound	Not applicable.

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 under the prescribed storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat.
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10.5. Incompatible materials

Materials to avoid	Reducing agents. Organic compounds.
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10.6. Hazardous decomposition products

CRYSTALBRITE DESTAIN PLUS

Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 5,400.0

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability The product is readily biodegradable. The product is degraded completely by photochemical oxidation.

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not 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 Discharge of small quantities to the sewer with plenty of water may be permitted. The product is designed and intended for disposal to public sewer after use.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 2984

UN No. (IMDG) 2984

UN No. (ICAO) 2984

UN No. (ADN) 2984

14.2. UN proper shipping name

Proper shipping name (ADR/RID) HYDROGEN PEROXIDE, AQUEOUS SOLUTION

CRYSTALBRITE DESTAIN PLUS

Proper shipping name (IMDG) HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Proper shipping name (ICAO) HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Proper shipping name (ADN) HYDROGEN PEROXIDE, AQUEOUS SOLUTION

14.3. Transport hazard class(es)

ADR/RID class 5.1

ADR/RID classification code O1

ADR/RID label 5.1

IMDG class 5.1

ICAO class/division 5.1

ADN class 5.1

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

ADN packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-H, S-Q

ADR transport category 3

Emergency Action Code 2R

Hazard Identification Number (ADR/RID) 50

Tunnel restriction code (E)

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

CRYSTALBRITE DESTAIN PLUS

EU legislation	<p>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).</p> <p>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).</p> <p>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).</p>
Guidance	<p>EH40/2005 Workplace exposure limits</p> <p>Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations 2002 (as amended)</p> <p>Health and Safety Executive</p>

15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by	Regulatory Chemist
Revision date	23/10/2020
Revision	11
Supersedes date	03/07/2017
SDS number	10104
Hazard statements in full	<p>H271 May cause fire or explosion; strong oxidiser.</p> <p>H302 Harmful if swallowed.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H318 Causes serious eye damage.</p> <p>H335 May cause respiratory irritation.</p>

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.