

SAFETY DATA SHEET

Biorase

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008.

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

1.1 Product identifier

Biorase

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

FOR PROFESSIONAL AND INDUSTRIAL USE ONLY.

PC35: Washing and cleaning products (including solvent based products)

1.3 Details of the manufacturer/distributor of the safety data sheet

All For Stone

c/o Amcrol Ltd

Unit D1, Clwyd Close

Hawarden Industrial Park

Hawarden

CH5 3PZ

Alresford, England, U.K.

Tel: + 44 (0)1962 732325

1.4 Emergency telephone number

Tel: + 44 (0)1244 819939 (normal working hours)

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Skin Corr. 1B: H314; Aquatic Acute 1: H400; -: EUH031

Most important adverse effects: Contact with acids liberates toxic gas. Causes severe skin burns and eye damage. Very toxic to aquatic life.

2.2 Label elements:

Hazard statements:

EUH031: Contact with acids liberates toxic gas.

H314: Causes severe skin burns and eye damage.

H400: Very toxic to aquatic life.

Hazard pictograms: GHS05: Corrosion
GHS09: Environmental



Signal Words: Danger

Precautionary statements:

P102	Keep out of reach of children
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P280	Wear protective gloves, protective clothing, eye protection, face protection
P301 P330 P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P303 P361 P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water
P304 P340	IF INHALED: remove person to fresh air and keep comfortable for breathing
P305 P351 P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P405	Store locked up

2.3 Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

SECTION 3: Composition

3.1 Substances

Not applicable

3.2 Mixtures

Hazardous Ingredients:

SODIUM HYPOCHLORITE SOLUTION CL ACTIVE - REACH registered number(s): 01-2119488154-34-XXXX

EINECS	CAS No	PBT/WEL	Classification	Percent
231-668-3	7681-52-9	-	Skin Corr. 1B: H314; Aquatic Acute 1: H400; -: EUH031	10-30%

Non-classified ingredients:

PRIMARY ALCOHOL ETHOXYLATE CD916 - REACH registered number(s): 01-2119980051-45-XXXX

-	68439-46-3	-	Acute Tox. 4: H302; Eye Dam. 1: H318	<1%
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SODIUM BICARBONATE

205-633-8	144-55-8	-	-	<1%
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SODIUM CARBONATE - REACH registered number(s): 01-2119485498-19-XXXX

207-838-8	497-19-8	-	Eye Irrit. 2: H319	<1%
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SECTION 4: First Aid Measures
4.1 Description of first aid measures

EYE CONTACT:	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
INHALATION:	Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. Move to fresh air in case of accidental inhalation of vapours. Transfer to hospital as soon as possible.
SKIN CONTACT:	Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
INGESTION:	Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. Transfer to hospital as soon as possible.

4.2 Most important symptoms and effects, both acute and delayed

EYE CONTACT:	Corneal burns may occur. May cause permanent damage.
INHALATION:	There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.
SKIN CONTACT:	Blistering may occur. Progressive ulceration will occur if treatment is not immediate.
INGESTION:	Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

4.3 Indication of any immediate medical attention and special treatments needed

Eye bathing equipment should be available on the premises.

SECTION 5: Firefighting Measures
5.1 Extinguishing media

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2 Special hazards arising from the substance or mixture

Corrosive. In combustion emits toxic fumes.

5.3 Advice for fire fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

If outside keep bystanders upwind and away from danger point. 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. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental precautions

Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 Methods and materials for containment and clearing up

Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

6.4 References to other sections

See section 7 for handling information. See section 8 for personal protection. See section 13 for disposal information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep contained tightly closed. Keep away from direct sunlight.

Suitable packaging: Must only be kept in original packaging.

7.3 Specific end uses(s)

No further relevant information available.

7.4 Suitable Packaging

Plastic containers

SECTION 8. Exposure Controls/Personal Protection

8.1 Control parameters

Workplace exposure limits: No data available.

DNEL / PNEC No data available.

8.2 Exposure Controls

Engineering	Ensure there is sufficient ventilation of the area.
Respiratory	Self-contained breathing apparatus must be available in case of emergency.
Hand protection	Impermeable gloves.
Eye Protection	Tightly fitting safety goggles. Ensure eye bath is to hand.
Skin protection	Impermeable protective clothing.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Colour:	Pale yellow
Odour:	Characteristic odour
Odour threshold:	No data available
pH:	11.5 – 12.5
Melting point:	0°C
Boiling point:	100°C
Flashpoint:	No data available
Evaporation rate:	Slow
Flammability:	Not applicable
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	1.180
Partition coefficient (log Kow):	No data available
Autoignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available

9.2 Other information

None

SECTION 10: Stability and Reactivity

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Heat.

10.5 Incompatible materials

Strong acids. Strong reducing agents.

10.6 Hazardous decomposition products

In combustion emits toxic fumes. Contact with acids liberates very toxic gas.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Hazardous ingredients:

SODIUM HYPOCHLORITE SOLUTION... 100% CL ACTIVE

ORL	MUS	LD50	5800	mg/kg
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Non-classified ingredients:

PRIMARY ALCOHOL ETHOXYLATE CD916

IHL	RAT	LC50	>5	mg/l
ORL	RAT	LD50	200-2000	mg/kg
SKN	RAT	LD50	>2000	mg/kg

SODIUM BICARBONATE

ORL	RBT	LD50	4220	mg/kg
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SODIUM CARBONATE

ORL	MUS	LD50	6600	mg/kg
ORL	RAT	LD50	4090	mg/kg
SCU	MUS	LD50	2210	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms/routes of exposure

Skin contact	Blistering may occur. Progressive ulceration will occur if treatment is not immediate.
Eye contact	Corneal burns may occur. May cause permanent damage.
Ingestion	Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.
Inhalation	There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure

SECTION 12: Ecological Information**12.1 Toxicity****Hazardous ingredients:**

PRIMARY ALCOHOL ETHOXYLATE CD916

FISH	96H LC50	1-10	mg/l
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SODIUM BICARBONATE

FATHEAD MINNOWS	96H LC50	8600	g/l
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Ecotoxicity values: No data available.**12.2 Persistence and degradability**

Not biodegradable.

12.3 Bioaccumulative potential

No bioaccumulation potential.

12.4 Mobility in soil

Readily absorbed into soil. Volatile. Soluble in water.

12.5 Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects

Very toxic to aquatic organisms.

SECTION 13: Disposal Considerations**13.1 General information**

Transfer to a suitable container and arrange for collection by specialised disposal company.

13.2 Disposal methods

Dispose of in compliance with all local and national regulations. Waste code number: 20 01 29

13.3 Disposal of packaging

Dispose of as normal industrial waste. Clean with water.

13.4 Further information

Do not empty into drains/sewage system.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: Transport Information

14.1 UN Number	UN1760
14.2 UN Proper shipping name	CORROSIVE LIQUID, N.O.S. (SODIUM HYPOCHLORITE SOLUTION...10 - 12% CL ACTIVE)
14.3 Transport hazard class(es)	8
14.4 Packing group	III
14.5 Environmental hazards	Yes Marine pollutant: No
14.6 Special precautions for user	No special precautions Tunnel code: E Transport Category: 3

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
 Not applicable.

15.2 Chemical Safety Assessment

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

SECTION 16: Other Information

Other information:

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Detergent Regulations EC648/2004, the product contains amongst other ingredients:-
 Chlorine based bleaching agents 5-15%.

IMPORTANT NOTE:

Risk phrases in this section below relate to the INDIVIDUAL COMPONENTS in the formulation when used at their FULL CONCENTRATIONS, and not at the reduced levels in the mixed product.

See sections 2 and 3 for the calculated hazard and risk phrases for the blended product.

Phrases used in Section 2 and 3:

EUH031	Contact with acids liberates toxic gas
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H319	Causes serious eye irritation
H400	Very toxic to aquatic life

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. This company shall not be held liable for any damage resulting from handling or from contact with the above product. For professional and industrial use only.