

SAFETY DATA SHEET



Product Name: **BEKLEEN**

Version No. 2 | **Revision date** 01-06-2015 | **Initial issue date** 04-02-2004

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND OF THE COMPANY

1.1 Product Identifier BEEKLEEN

1.2 Relevant/Use(s)/misuse(s) Industrial

1.3 SDS Supplier Beacon Water Treatments Limited
Parsons Hall Industrial Estate
High Street
Irchester, NN29 7AB
Telephone: 01933 410066

1.4 Emergency Telephone 01604 505735 (Office hours) | **Competent Person e-mail:** trevor@rising-hsande.co.uk

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)

Not classified
(See section 16)

2.1.2 Additional information

For text of hazard statements, see section 16

2.2 LABELLING ELEMENTS

2.2.1 Labelling in accordance with EC Regulation No 1272/2008 (CLP/GHS)

Pictogram(s):	NONE	Signal word	NONE
Hazard statement(s)	NONE		
Precautionary statement(s)	NONE		

2.3 Other hazards None known

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation AQUEOUS SOLUTION OF ORGANIC AND INORGANIC SUBSTANCES

Chemical name	CAS-No	EINECS/ELINCS	Classification	Concentration
SODIUM HYDROXIDE	1310-73-2	215-185-5	Skin Corr. 1A H314	2-5%
ETIDRONIC ACID	2809-21-4	220-552-8	Met. Corr. 1 H290; Acute Tox. 4 H302; Eye Dam. 1 H318;	10-15%
TETRASODIUM N,N-BIS(CARBOXYLATOMETHYL)-L-GLUTAMATE	51981-21-6	257-573-7	Met. Corr. 1 H290	3-5%
SODIUM METABISULPHITE	7681-57-4	231-673-0	Acute Tox. 4 H302; Eye Dam. 1 H318	1-2%

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4. FIRST AID MEASURES

4.1 Description of measures

Inhalation	If inhaled, provide fresh air, warmth, rest and if necessary, seek medical advice.
Skin contact	Clean areas of skin affected with soap and plenty of water. If necessary, seek medical advice.
Eye contact	Wash out eye thoroughly with plenty of water until irritation subsides. If necessary, seek medical advice.
Ingestion	If product is swallowed, do NOT induce vomiting. Drink plenty of water; if necessary, seek medical advice.

4.2 Most important effects/symptoms None known.

4.3 Immediate/special treatment Treatment as described above.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media	To suit local surroundings (e.g. water mist, carbon dioxide, foam, chemical powder for large fires). The product is not flammable
5.2 Special hazards	Decomposition products released in a fire should be considered as probably harmful if inhaled.
5.3 Advice for fire fighters	Wear self-contained breathing apparatus. Avoid run-off water entering the drains (e.g. use barriers)

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions	Adhere to personal protective measures.
6.2 Environmental precautions	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.
6.3 Methods and materials for cleaning up	Take up with absorbent material, e.g. sand, sawdust, into tightly closed containers. Label container and dispose of as prescribed
6.4 Reference to other sections	See section 8 for personal protective equipment.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling	Handle in accordance with good hygiene and safety practice.
7.2 Conditions for safe storage	Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry. Avoid high temperatures.
7.3. Specific end use(s)	Industrial

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Controls parameters	There are no occupational exposure limit values available (OES. Data for NaOH is for solid material). Comply with good practice for the control of exposure.
8.2 Exposure controls	
Engineering controls	Ensure adequate ventilation of working area.
Personal protection	Observe normal standards for handling chemicals. Wash hands before breaks and after work. Avoid contact with skin and eyes. Wear personal protective equipment appropriate to the task (see below)

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye protection	Safety goggles (e.g. EN 166) if splashing is likely.
Skin protection	Gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	Approved respirator if ventilation is insufficient.
Other protection	Protective overall

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

Physical form	Liquid
Colour	
Odour	Characteristic
Odour threshold	No data available
pH	5-5-6.5
Boiling pt / range	From 100 °C
Melting pt / range	Not determined °C
Flash point	Not applicable °C
Auto ignition temp.	Not applicable °C
Evaporation rate	Not applicable
Relative density	1.13 – 1.15
Flammability	Not applicable
Explosion limits	Not applicable
Vapour pressure	Not applicable
Relative vapour density	Not determined
Water solubility	Miscible
Thermal decomposition	No data available
Viscosity	Not applicable
Partition coefficient	Log P _{o/w} = Not determined
Explosive properties	Not applicable
Oxidising properties	Not applicable
9.2 Other information	None known

10. STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions of handling.
10.2 Chemical stability	Stable
10.3 Hazardous reactions	None known.
10.4 Conditions to avoid	None known.

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10. STABILITY AND REACTIVITY

10.5 Incompatible material According to experience, there are no incompatible substances.

10.6 Hazardous decomposition products None

11. TOXICOLOGICAL INFORMATION

11.1 information on toxicological effects

Acute toxicity LD₅₀ rat (oral) mg/kg No data available.

Dermal compatibility No data available

Mucous membrane compatibility No data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity LC₅₀ Aquatic organisms mg/l No data available

12.2 Degradability No data available

12.3 Bioaccumulative potential Not determined

12.4 Mobility in soil Not determined

12.5 PBT/vPvB assessment Not applicable

12.6 Other adverse effects Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment measures

Advice on disposal In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.

Contaminated packaging Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

14. TRANSPORT INFORMATION

14.1 United Nations number Not classified (ADR, IMDG, IATA)

14.2 Proper shipping name Not classified (ADR, IMDG, IATA)

14.3 Transport class(s) Not classified (ADR, IMDG, IATA)

14.4 Packing group Not classified (ADR, IMDG, IATA)

14.5 Environmental hazards The product should not be marked as a marine pollutant. (ADR, IMDG, IATA)

14.6 Special procedures Not applicable (ADR, IMDG, IATA)

14.7 Transport in bulk Not applicable (ADR, IMDG, IATA)

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15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations

The product is classified in accordance with EC Regulation 1272/2008 (CLP). Other regulatory information and provisions are not applicable for this product.

15.2 Chemical safety assessment

Not applicable

16. OTHER INFORMATION

Further information

Although by using the classification criteria for mixtures as detailed in the Regulations the product would be classified as "H314 (Causes severe skin burns and eye damage)", the pH has been adjusted sufficiently not to assign this classification to the product.

The SDS has been revised in accordance with EC Regulation 1272/2008 (CLP)

Hazard statements referred to in sections 2/3

H290: May be corrosive to metals.

H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

Sources of data

Other suppliers' safety data sheets, ECHA C&L Inventory

Date of issue

01-06-2015

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.

Data sheet prepared by Rising HS&E Services.