

Data Sheet

Bioclean

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1. Identification of the preparation and company

Product Names: Bioclean

Intended Use: Fill an appropriate vessel with hot/cold water. Add product in proportion to the quantities shown on the 'Instructions for Use' label. Add articles or apply product to the surface to be treated. For Professional Use Only.

Name Full Address and Telephone Number: ENVIROCLEAN SOLUTIONS LTD, 27 Sheet Street, Windsor, Berkshire, SL4 1BN
Tel: 0845 618 9690

2. Composition/Information on Ingredients:

Name	Case No	Einecs	Conc.Range %	Symbol	R-phrases
Sodium Hydroxide	1310-73-2	215-185-5	< 2	C	R36/R38
Sodium Metasilicate	6834-92-0	229-912-9	< 5	C	R34/R37
Alcohol Ethoxylate	68439-45-2		< 5	Xn	R22/R41

3. Hazard Identification:

At the very low levels of Sodium Hydroxide contained in this product it is classified as an Irritant (R36/38)

4. First Aid Measures:

GENERAL: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air, keep the patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth. If conscious, place in the recovery position and seek medical advice.

SKIN CONTACT: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners.

EYE CONTACT: Contact lenses must be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

INGESTION: If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

5. Fire Fighting Measures:

Extinguish Media

Recommended: Alcohol resistant foam, CO₂, powder, water spray/mist.

Do not Use: Water jet.

Recommendations:

This product does not constitute a fire hazard. On heating to combustion, it can, however, under certain conditions, produce toxic fumes containing sulphur dioxide and carbon monoxide. Self-contained breathing apparatus should be worn when this product is involved in a large fire.

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6. Accidental Release Measures:

Exclude non-essential personnel. Avoid breathing vapors. Refer to protective measures listed in Sections 7 and 8. Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Do not allow to enter drains or water courses. Clean preferably with a detergent; avoid the use of solvents. If the product enters drains or sewers the local water company should be contacted immediately. On the case of contamination of streams, rivers or lakes, the Environment Agency.

7. Handling and Storage:

HANDLING:

Prevent air-borne concentrations higher than the occupational exposure limits. Avoid skin and eye contact. Avoid inhalation of vapor and spray mist. For personal protection, see Section 8. Unless the container is specifically designed, never use pressure to empty: it is not a pressure vessel. Always keep in containers made of the same material as the supply container. Good housekeeping standards and regular safe removal of waste materials will minimize the risks of spontaneous combustion and other fire hazards. The Manual Handling Operations Regulations may apply to the handling of containers of this product. Refer to the guide weight indicated on the container when carrying out assessments.

STORAGE:

Observe the label precautions. Store between (5) and (25) °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Prevent unauthorized access. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store no more than two high.

Exposure Control/Personal Protection:

Engineering Measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapors below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn (see 'Personal protection' below).

Exposure Limits:

Substance	Occupational Exposure Limits		Notations
Not Applicable	8Hr TWA	15 Min STEL	

Personal protection

All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances. Must be selected to meet the requirements of the COSHH Regulations.

Respiratory Protection:

Not Applicable

Hand protection:

When skin exposure may occur, advice should be sought from glove suppliers on appropriate types. Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye protection:

Eye protection designed to protect against liquid splashes where intended use of this product gives rise to this risk.

Skin protection:

Cotton or cotton/synthetic overalls or overalls are normally suitable.

9. Physical and Chemical Properties:

Physical State:	Free flowing liquid.
Flash Point:	None.
Viscosity:	2.6 - 3.0 poise.
Specific Gravity:	1.04
Vapor Density:	Heavier than Air.
Lower Explosive Limit:	N/A.
Solubility in Water:	Miscible

10. Stability and Reactivity:

Stable under the recommended storage and handling conditions. (See Section 7). In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen and sulphur dioxide may be produced. Keep away from oxidizing agents.

11. Toxicological Information:

There is no data available for this product itself. Splashes in the eyes may cause irritation and reversible local damage.

12. Ecological Information:

There is no data available for this product itself. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters. The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply the use of this product.

13. Disposal Considerations:

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, should be disposed of in accordance with regulations made under the Control of Pollution Act and Environmental Protection Act. (Using information provided in this data sheet, advice should be obtained from the Waste Regulation Authority whether the special waste regulations apply).

14. Transport Information:

This product is not classified as dangerous for carriage.

15. Regulatory Information

The product is classified and labeled for supply in accordance with the Chip Regulations as follows:

Risk Phrases:	Irritating to eyes and skin
Safety Phrases	In case of contact with eyes: rinse immediately with plenty of water and seek medical advice Wear suitable protective clothing Wear suitable gloves

16. Other Information

R Phrase No.	Text	Irritating to eyes and skin
	R36/38	

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.