

1. IDENTIFICATION OF THE SUBSTANCE/PRODUCT AND OF THE COMPANY/UNDERTAKING

- 1.1 Identification of the Substance or Preparation:** Whiffaway Biological Device Block
- 1.2 Intended use of the Substance/Preparation:** Biological detergent and descaling block for urinals
- 1.2 Company/Undertaking Identification:** Sachets Ltd
Unit 6/7/8 Boarshurst Business Park
Boarshurst Lane
Greenfield
Oldham
Lancs
OL3 7ER
Tel: +44 (0)1457 820067
Fax: +44 (0)1457 820332
- 1.4 Emergency Telephone Number:** +44 (0)1457 820067

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical/trade name	Quantity %
Sodium Chloride (harmless)	40 -65%
Sodium dodecylbenzene sulphonate	20-30
Anti limescale	5 – 10%
Perfume	2 – 5%
Colour	0 - 2 %
Harmless Class 1 bacteria	6 – 10%

3. HAZARDS IDENTIFICATION

- 3.1 Health Hazard (inhalation, ingestion, contact with skin or eyes):**
Irritant
Irritating to eyes
- 3.2 Environmental Hazard :** see section 12.

4. FIRST-AID MEASURES

- 4.1 Exposure by Inhalation:** Remove victim to fresh air. Rest and keep warm. Seek medical attention if required.
- 4.2 Exposure by skin :** Immediately wash affected area thoroughly with soap and water. Seek medical attention if irritation develops. Organisms used are non pathogenic but can cause infection when in contact with open wounds.

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4.3 Exposure by eyes contact: Immediately flush eyes with plenty of water and seek medical attention if irritation develops.

4.4 Exposure by Ingestion: Do not induce vomiting. Drink water to dilute. Seek medical attention.

5. FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media: All types of extinguishers may be used.

5.2 Extinguishing Media not to be used: None

5.3 Specific Exposure Hazards: If the substance is involved in a fire, oxides of carbon and nitrogen may be evolved.

5.4 Protective Equipment for Firefighters: Self-contained breathing apparatus should be worn.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions: Use protective equipment.

6.2 Environmental Precautions: Avoid excessive release to environment. The product is designed to digest complex fat matters, grease, oil, cellulose and starch through enzymatic metabolism in the drainage system.

6.3 Methods for Cleaning Up: Clean up by collection.
Dispose of waste material in accordance with local or national regulations.

7. HANDLING AND STORAGE

7.1 Handling:

Precautions: The substance should be handled under conditions of good industrial hygiene and in conformity with any local regulations in order to avoid unnecessary exposure.

Technical Measures: The use of gloves will reduce exposure to the preparation.

Specific Requirements: None.

7.2 Storage:

Specific design for storage rooms or vessels: None

Incompatible Materials: Strong acids or alkali compounds may inactivate biological cultures. Avoid strong oxidising agents. Do not store in metallic containers

Conditions of Storage: Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Avoid freezing temperatures. Avoid temperatures above 45 °C to preserve biological stability.

Quantity Limits: None

Packaging Materials: Packaging can be recycled

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment: The user as part of a formal exposure risk assessment should decide upon the provision of personal protective equipment and the need to provide engineering control measures. Based upon the available toxicological information the protective measures described below should be regarded as a minimum.

8.1 Respiratory Protection: No special ventilation is usually necessary. However if operating conditions create high airborne concentrations of this material, based upon available information and in the absence of occupational exposure limits the use of a vapour mask to a minimum standard of EN405 FFA1 is recommended.

8.2 Hand Protection: Avoid prolonged or frequent repeated skin contact especially with broken skin. Chemical protective gloves to a Standard EN374 should be provided. Usage periods should not exceed the breakthrough times for the chemical stated by the manufacturer of the glove.

8.3 Eye Protection: Safety glasses recommended, to prevent eye exposure, should be used when handling the product. The protection should be capable of giving chemical protection as classified in BS2092 or EN166.

8.4 Skin Protection: Avoid contact with broken skin. However prolonged/frequent direct handling of the material should be minimised by wearing chemical protective clothing suitable for protection against the chemical as classified by Standard EN368.

8.5 Engineering Measures: None

8.6 Specific Control Parameters: None

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Coloured waxy solid
Appearance: blue block
Odour: characteristic lemon
pH: approx 8 (1% solution at 20 degrees centigrade)
Boiling Point/Boiling Range: Not applicable
Melting Point/Melting Range: Not applicable
Flash Point: Not determined
Flammability (Solid, Gas): Not applicable
Autoflammability: Not determined
Explosive Properties: Predicted not explosive based on chemical structure.
Oxidising Properties: Not determined
Solubility - Water solubility: 100% (aqueous product)
- Fat solubility: Not determined
Partition coefficient n-octanol/water: Not determined
Other Data: None available

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10. STABILITY AND REACTIVITY

- 10.1 Conditions to Avoid:** Excessive temperature variations, below 0°C or above 45 °C
- 10.2 Materials to Avoid:** Strong acids or alkali compounds may inactivate biological cultures and strong oxidising agents.
- 10.3 Hazardous Decomposition Products:** None anticipated

11. TOXICOLOGICAL INFORMATION

The product is an irritant to eyes and skin. Inhalation of a finely divide material may irritate the mucous membrane.

11.1 Acute toxic effects

- 11.1.1 Ingestion, LD50 Rat oral (mg/kg): acute oral toxicity 2150 mg/kg
- 11.1.2 Inhalation, LC50 Rat inhalation (mg/l/4h): Not determined
- 11.1.3 Skin, LD50 Rat dermal (mg/kg) Not determined
- 11.1.4 Eye irritation Not determined

11.2 Chronic toxic effects

- 11.2.1 Sensitisation Not determined

The product is formulated using a range of micro-organisms specially selected from the natural environment and that are known to be non-pathogenic to humans, animals or plants. It is advised to cover open wounds when in use.

12. ECOLOGICAL INFORMATION

- 12.1 Mobility:** This preparation has high water solubility. Therefore it is likely to distribute predominantly to the aqueous environment.
- 12.2 Biodegradability:** The preparation is expected to biodegrade rapidly. However no information on anaerobic biodegradation is available. Sodium dodecylbenzene sulphonate is completely biodegradable and will be degraded in a few days.
- 12.3 Accumulation:** Not anticipated to bioaccumulate due to high water solubility and hence, biomagnification is not likely.
- 12.4 Ecotoxicity:** The preparation is not anticipated to pose any environmental hazard. No data on toxicity specifically to soil organisms, plants and terrestrial animals are available.
- 12.5 Other adverse effects:** There is no ozone depletion, photochemical ozone creation or global warming potential. Adverse effects in the sewage treatment plant are not anticipated.
- 12.6 Other information:** Class 1 micro-organisms (European Federation of Biotechnology) selected from the natural environment.

13. DISPOSAL CONSIDERATIONS

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13.1 Waste from Residues: Dispose of by incineration, landfill or to drain in accordance with local regulations.

Stack gases should be scrubbed.

13.2 Contaminated Packaging: Dispose of by incineration or landfill in accordance with local regulations.

14. TRANSPORT INFORMATION

No special requirements

International Regulations Land: Not applicable.

Inland waterways: Not applicable.

Sea: Not applicable.

Air: Not applicable.

UN classification number: None

Local Regulations: Any relevant local regulations concerning transport should be observed.

15. REGULATORY INFORMATION

EC Regulations: The preparation is classified as "irritant" and therefore the following labels according to the requirements of Annex VI of Council Directive 67/548/EEC and in accordance with Directive 1999/45/EC are necessary:

IRRITANT Xi

R-phrases: R36/ 38 Irritating to eyes and skin

S-phrases: S2 Keep out of reach of children

S24/25 Avoid contact with eyes and skin

S46 If swallowed seek medical advice immediately and show this container / lid.

Local Regulations: Any relevant local regulations should be observed.

This product complies with legislation concerning the biodegradability of surfactants.

16. OTHER INFORMATION

Use in accordance with directions.

The above information is based on the present state of our knowledge at the time of publication. It is given in good faith, no warranty is implied with respect to quality or specification of product. The user must satisfy himself that the product is entirely suitable.