

MATERIAL SAFETY DATA SHEET

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

- 1.1 Identification of the Substance or Preparation: **Channel Block Blue**
- 1.2 Product Code **PCBB**
- 1.3 Intended use of the Substance/Preparation: Fragrant detergent block for urinals and troughs
- 1.4 Emergency Telephone Number: +353 45 873613
-

2. HAZARDS IDENTIFICATION

2.1 Classification of Mixture

EC Regulations: The preparation is not classified as "hazardous" 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 Prepared in accordance with COSHH Regulations 2002 and CHIP 3 Regulations 2002

IRRITANT None

R-phrases: None

Precautionary Statements / S-phrases:

S2 Keep out of reach of children

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of water.

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

MATERIAL SAFETY DATA SHEET

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s):	CAS NO:	%w/w:	Symbol:	R Phrases
Sodium Chloride (harmless)	7647-14-5	40 -100%		
Sodium Talloate	8052-48-0	10-20%		
Sodium dodecylbenzene sulphonate	25155-30-0	10-20%	Xn	R36/37/38
Citrus Perfume		<3%		R43, R52/53
Glycerine	56-81-5	<1%		
Chelating Agent	140-01-2	<.01%		

Key Perfume Ingredients which require noting

The perfume contains the following chemicals; CITRAL, CITRONELLOL, GERANIOL, LIMONENE which may cause an allergic reaction.

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

MATERIAL SAFETY DATA SHEET

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: None noted

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 °.

Quantity Limits: None

Packaging Materials: Packaging can be recycled

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

MATERIAL SAFETY DATA SHEET

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Coloured waxy solid	
Appearance:	Blue	
Odour:	Citrus aroma	
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	

10. STABILITY AND REACTIVITY

10.1 Conditions to Avoid:	Excessive temperature variations, below 0°C or above 45 °C
10.2 Materials to Avoid:	None Noted
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
----------------------	----------------

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.

MATERIAL SAFETY DATA SHEET

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: None

13. DISPOSAL CONSIDERATIONS

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 not classified as "hazardous" 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 Prepared in accordance with COSHH Regulations 2002 and CHIP 3 Regulations 2002

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.