

Sea-Chem Ltd

SAFETY DATA SHEET

Conforms to EUROPEAN COUNCIL DIRECTIVE 1907/2006

Product Code:	SC 4294	Revision Date:	2009-07-02
Version No.:	EN 01	Print Date:	2009-07-02
Page:	1 of 4		

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

1.1 PRODUCT NAME	BioBoost Tablets for Wastewater
PRODUCT CODE	SC 4294
1.2 Product uses	Bacterial tablets for the treatment of organic waste
Chemical Safety report	Not required
1.3 Supplier	SEA-CHEM LIMITED
	UNIT 18, HORTON COURT, HORTONWOOD 50, TELFORD, SHROPSHIRE TF1 7GY
Telephone number	+44 (0) 1952 677002
1.4 Emergency telephone number	+44 (0) 7837 796072

2. HAZARDS IDENTIFICATION

Hazard classification	Not classified as hazardous in accordance with EC Directive 1999/45/EC and amendments
Human health hazards	None
Safety hazards	None
Environmental hazards	None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature	Bacillus based bacterial solution in powder format				
Declared ingredients	CAS Number	%	EC Number	Symbol	R Phrases
Class 1 Bacillus based bacteria – Naturally Occurring, Non Pathogenic (Occupational Exposure Limits, where available, are listed in section 8)					

4. FIRST AID MEASURES

First aid measures	
<i>Inhalation</i>	If symptoms occur, remove to fresh air. Seek medical advice if symptoms persist
<i>Skin Contact</i>	Rinse with water. Seek medical advice if symptoms occur. Avoid contact with open wounds or broken skin, apply a topical antiseptic agent
<i>Eye Contact</i>	Remove any contact lenses. Irrigate the eye with copious quantities of water for at least 15 minutes with eyelid held wide open. Seek medical advice if symptoms occur
<i>Ingestion</i>	Rinse mouth with water; drink copious quantities of water if a large quantity has been ingested. Induce vomiting. Seek medical advice if symptoms occur
Effects and symptoms	
<i>Inhalation</i>	None known
<i>Skin Contact</i>	Repeated and/or prolonged use may cause some irritation of the skin
<i>Eye Contact</i>	May cause some irritation
<i>Ingestion</i>	Ingestion of small quantities will not normally cause any gastro-intestinal effects. Ingestion of large quantities may cause nausea and/or diarrhoea
Protection of first-aiders	No special measures required
Notes to physician	No special measures required
General information	In case of accident, if symptoms persist or in the event of illness, seek medical advice immediately. If possible provide a copy of this safety data sheet to the medical adviser. Never give anything by mouth to an unconscious person

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Page:	2 of 4		

5. FIRE FIGHTING MEASURES

Extinguishing media	Water, foam, carbon dioxide, dry powder
Unsuitable extinguishing media	None
Unusual fire/explosion hazards	None
Fire fighting equipment	Standard
Protection of fire-fighters	Standard

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Prevent skin and eye contact
Environmental precautions	Product should be contained and disposed of in accordance with local and national regulations
Clean-up methods	Product should be contained and placed in suitable containers for disposal
Other hazards	None

7. HANDLING AND STORAGE

7.1 Handling	Handle in accordance with good industrial practice, eye, hand and respiratory protection are recommended
7.2 Storage	Store upright in original container away from thoroughfares to avoid accidental damage. Store so that spills cannot enter surface water or drains leading to surface. Keep dry and away from sources of heat or direct sunlight
7.3 Specific use(s)	Non-hazardous cleaning preparation which may be diluted with water for use.

8. EXPOSURE CONTROLS

Occupational exposure limits	No exposure limits have been established for this product
Occupational exposure controls	
Engineering measures	No special measures required
Hygiene measures	Avoid contact with eyes, skin or clothes. The usual precautionary measures for general handling of chemicals should be utilised
Protection	
Respiratory protection	Dust mask recommended
Hand protection	Impervious gloves recommended
Eye protection	Safety glasses recommended
Skin and Body Protection	Protective overalls and shoes/boots recommended
Environmental exposure controls	

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information	
Appearance	Brownish – Tan Powder.
Odour	Neutral

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Page:	3 of 4		

9. PHYSICAL AND CHEMICAL PROPERTIES CONTINUED...

9.2 Important health, safety and environmental information

<i>pH</i>	N/A
<i>Freezing point/freezing range</i>	N/A
<i>Boiling point/boiling range</i>	N/A
<i>Flash point</i>	None
<i>Flammability limits</i>	N/A
<i>Autoflammable</i>	N/A
<i>Explosive properties</i>	None
<i>Oxidising properties</i>	None
<i>Relative density (Kg/m³)</i>	N/A
<i>Water Solubility</i>	Soluble
<i>Partition coefficient: n-octanol/water</i>	N/A
<i>Vapour density</i>	As water
<i>Evaporation rate</i>	Less than water

10. STABILITY AND REACTIVITY

Hazardous decomposition products	Oxides of carbon
Stability	Normally stable
Conditions to avoid	None
Materials to avoid	Oxidising agents, concentrated mineral acids

11. TOXICOLOGICAL INFORMATION

Inhalation	Not normally irritant
Skin contact	Prolonged contact with product may cause some irritation
Eye contact	Splashes generated in use may cause some irritation
Ingestion	Ingestion of small quantities will not normally cause any gastrointestinal symptoms Ingestion of large quantities may cause gastrointestinal symptoms, particularly diarrhoea
Sensitisation	None known
Acute toxicity	None known
Chronic toxicity	None known
Additional toxicological effects	When used and handled according to specifications, the product should not have any harmful effects
Information on hazardous ingredients	N/A

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity	None known or expected
12.2 Mobility	N/A
12.3 Persistence and degradability	Biodegradability of surfactants exceeds legal requirements
12.4 Bioaccumulative potential	None
12.5 Other adverse effects	None

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Page:	4 of 4		

13. DISPOSAL CONSIDERATIONS

Product	Dispose of surplus product and waste residues in accordance with all applicable local and national regulations
Packaging	Made from HDPE and should be disposed of in accordance with all applicable local and national regulations. Where possible uncontaminated packaging should be reused or recycled

14. TRANSPORT INFORMATION

General information	This product is <u>NOT</u> classified as hazardous for transportation
International transport regulations	
<i>UN number</i>	
<i>Class</i>	
<i>Proper shipping name</i>	
<i>Packing group</i>	
<i>ADR/RID Class</i>	
<i>ADR/RID Item No.</i>	
<i>IMDG Class</i>	
<i>Marine pollutant</i>	
<i>MFAG No.</i>	
<i>EMS No.</i>	
<i>IATA Class</i>	
National transport regulations	
<i>United Kingdom</i>	No additional national transport regulations are known to the supplier

15. REGULATORY INFORMATION

Classification	Classified in accordance with EU regulations 1999/45/EC and 67/548/EEC and amendments
Hazard symbol(s)	Irritant
Risk phrases	R36/38 Irritating to eyes and skin
Safety phrases	S37/39 Wear suitable gloves and eye/face protection

16. OTHER INFORMATION

Sources of key data	REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
Reason for revision	To up date in accordance with changes in legislation
Vendor notes	

The above information, including the health, safety and environmental information and recommended precautions, is considered to be accurate at the time of issue, however no warranty, guarantee or representation, whether express or implied is given in respect of its accuracy. The information may not be accurate for all individuals and/or situations and/or applications. It is the obligation and responsibility of users to evaluate this information and to use the product safely and to comply with all applicable laws and regulations.

Customers are reminded that there may be uses or applications for the product, which have the benefit of patent registration and you are therefore recommended in your own interest to take appropriate steps to avoid the infringement of such patents. Nothing herein may be construed as an authority or encouragement to use or apply the product in contravention of such rights. Sea-Chem Limited, its subsidiary and associate companies, shall not be responsible for any damage, injury or loss, consequential or otherwise, resulting from the use of the product or from failure to adhere to recommendations.