

## SAFETY DATA SHEET

1. **PRODUCT** : UltraShield MAINTAIN  
**CODE** : BS225B  
**COMPANY** : Envirobridge Limited  
Suite 33, 29/30 Horsefair, Banbury, Oxon. OX16 0BW  
Tel: +44 (0)1295 780444  
Email: [info@envirobridge.co.uk](mailto:info@envirobridge.co.uk)
2. **GENERAL COMPOSITION**  
**Contains** : Saprophytic micro organisms conforming to EC EFB Class 1 (common saprophytic micro organisms –never shown to be a causal agents in human illness) on a sulphamic acid base.  
**Components which may be considered hazardous:** Citric acid
3. **HAZARD IDENTIFICATION**  
**Not assigned by IMO reports.**  
**Specific Risks** : Spillage will affect vegetation  
**Auto Ignition** : Not applicable  
**Risk Phases** : 36/38  
**Safety Phases** : 2/26/28  
**Primary Risk** : Irritant  
**S.I.No.** : 2967  
**Secondary Risk** :  
**ADR Class** : 8 Corrosive  
**Conveyance Class** : 8 Corrosive  
**Tremcard No:** : 80G21  
**ADR HIN** : 80  
**IATA Special Provisions** :  
**EINICS No.** : 226-216-8  
**UN No.** : 2967  
**IMDG Code (Page)** :  
**CAS No.** : 5329-14-6  
**Packing Group** :  
**Hazchem Code** : 2T  
**UK Customs No.** : CUS23766
4. **FIRST AID MEASURES**
- | Exposure Route                          | Symptom   | Treatment  |
|---|---|--|
| Remove from exposure<br>Inhalation      | Shortness of breath   | Breathe fresh air, rest, keep warm. If respiratory distress, give oxygen.  |
| Skin Contact                            | Mild dermatitis   | Wash with water. Remove contaminated clothing. Wash before re-use.   |
| Eye Contact                             | Inflammation  | Wash with water for at least 10 Minutes holding eyelids apart if possible. Obtain medical attention.                       |
| Ingestion                               | Nausea  | Rinse mouth but do not drink water in great quantity. Do not induce vomiting. If patient is unwell seek medical attention. |
| <b>Immediate Treatment</b><br>/Antidote |   | Symptomatic treatment.   |
| <b>Delayed Effects</b>                  | Possibility of allergic reaction to dusts or micro organisms manifested as dermatitis or shortness of breath. Treat the latter with anti histamine under medical supervision if symptoms persist. |  |
5. **FIRE FIGHTING MEASURES**  
**Extinguishing Media** : As for surrounding fire.  
**Unsuitable Extinguishers** : None  
**Hazardous Combustion Products** : Sulphur oxides and nitrogen oxides.  
**Fire Fighting Protective Equipment** : As for surrounding fire. Self contained breathing apparatus.
6. **ACCIDENTAL RELEASE MEASURES**  
**Safety Precautions** : Take usual precautions for dusts. Wear mask and gloves if exposed to large quantities of dust. See exposure controls.  
**Environmental Precautions** : Not listed in IMO Report No.4.  
**Clean-up Procedure** : Collect bulk product and bag for disposal in accordance with local regulations. Wash remaining product to drain .

## 7. HANDLING AND STORAGE

<b>Handling</b>	:	For prescribed use, good industrial hygiene practice should be followed. Protective clothing not normally required as skin, eye and respiratory contact would be avoided. When handling large quantities avoid forming dust in suspension. Wear mask and goggles suitable for nuisance dust if this is likely to occur. Wear PVC or rubber gloves.
<b>Ventilation</b>	:	Good ventilation. Usual precautions for dust.
<b>Temperature Range</b>	:	5°C - 40°C
<b>Keep Away From</b>	:	Alkalis, nitric acid, chlorine and metals. Heat and humidity
<b>Suitable Storage Media</b>	:	Paper and plastic. Avoid metal for long term storage.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Respiratory</b>	:	Wear mask if exposed to dust. Not assigned by HSE(1) of ACGIH(2). Recommended limit OEL (8hrTWA) = 10mgm-3 total dust, OEL (8hrTWA) = 5mgm-3 respirable dust.
<b>Hand</b>	:	Wear gloves. PVC or rubber.
<b>Eye</b>	:	Wear goggles.
<b>Skin</b>	:	Wear dust protective overalls. Wash before re-use.
<b>Hygiene Measure</b>	:	A water supply for washing clothing should be made available where accidental exposure may occur. Do not allow product to come into contact with food preparation surfaces.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	:	Off-white powder
<b>Chemical Synonyms</b>	:	Amidosulphonic acid
<b>Molecular Dosage</b>	:	97.1
<b>Lethal Dosage</b>	:	316mg/kg (rat)
<b>Solubility in Water</b>	:	17gm/100ml
<b>Specific Gravity @20%</b>	:	2 12 H2O=1
<b>Vapour Density</b>	:	Not applicable
<b>Vapour Pressure</b>	:	Not applicable
<b>Freezing Point</b>	:	206°C
<b>Boiling Point</b>	:	Decomposes
<b>Viscosity</b>	:	Not applicable
<b>pH</b>	:	1 Acidic

## 10. STABILITY AND REACTIVITY

<b>Materials to Avoid</b>	:	Nitric acid, alkalis, chlorine nitrites and metal. Humidity and temperature >40°C
<b>Hazardous Decomposition Products:</b>	:	Sulphur and nitrogen oxides.
<b>Stability</b>	:	2-5 years. Undertake quality control measures after 2 years.

## 11. TOXICOLOGICAL INFORMATION

<b>Effects</b>	:	
<b>Skin and eye contact</b>	:	Solid and strong solutions may cause severe irritation. The micro organisms are all saprophytes. The micro organisms may affect subjects sensitive to allergies.
<b>Ingestion</b>	:	Causes severe irritation and damage to the stomach and respiratory tract.
<b>Inhalation</b>	:	In severe cases may cause shortness of breath, coughing, headache, nausea and vomiting.

## 12. ECOLOGICAL INFORMATION

<b>Environmental Effects</b>	:	Will degrade dead organic matter. Will enhance activity in waste water treatment plants.
<b>Degradability</b>	:	The mineral substrate is not biodegradable.
<b>Aquatic Toxicity</b>	:	High concentrations in receiving water will injure aquatic life due to pH.

## 13. DISPOSAL CONSIDERATIONS

<b>Substance</b>	:	Do not activate powder by adding water. Keep dry and collect for use as directed in accordance with local waste disposal regulations. Surplus product may be flushed to drain with water. It will enhance the activity of waste treatment plants.
<b>Container</b>	:	Store in dry conditions in plastic container.

#### 14. TRANSPORT INFORMATION

**Not assigned in:**

S1 1992/743 The Road Traffic (Carriage of Dangerous Substances in Road Tankers and Tank Containers) Regulations.

S1 1992/742 The Road Traffic (Carriage of Dangerous Substances in Packages) Regulations.

S1 1993/1746 The Chemicals (Hazard Information and Packaging) Regulations.

#### 15. REGULATORY INFORMATION

<b>Supply Label Details</b>	:	Manufacturer's Classification
<b>Label Name</b>	:	UltraShield Maintain
<b>Symbols</b>	:	Irritant cross black on orange
<b>Risk Phases</b>	:	Irritant
<b>Safety Phases</b>	:	Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water. Seek medical advice. After contact with skin, wash with water.
<b>EEC No.</b>	:	Not classified

#### 16. OTHER INFORMATION

- 1.HSE Guidance Note EH40 Occupational Exposure Limits (Latest Edition)
- 2.ACGIH (Threshold Limit Values and Biological Exposure Indices) 1985-86
- 3.Classification, Packaging and Labelling of Dangerous Substances Regulations 1984.
- 4.IMO Reports and Studies Mo.35 (The Evaluation of Hazards of Harmful Substances Carried by Ships) 1989.
- 5.IMDG Code (International Maritime Dangerous Goods Codes) 1990.
- 6.Control of Substances Hazardous to Health Regulations (S1 1988/1657).

This product is to be used primarily for the maintenance of clear, scale-free, odour-free urinal, toilet and shower/bath drains.

Micro organisms are activated by moisture, keep humidity below 2%

Read label before opening container.

The above information is based upon the state of our knowledge of the product at the time of writing as supplied by the manufacturer.

No warranty is implied with respect to the quality of the product.

The user should satisfy him/herself that the product is entirely suitable for the intended use.

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**BS225B**