

SAFETY DATA SHEET

1. **PRODUCT** : UltraShield MAX POWER
CODE : BS510S
COMPANY : Envirobridge Limited
Suite 33 29/30 Horsefair, Banbury. OX16 9AA
Tel: +44 (0)1295 780444
Email: info@envirobridge.co.uk
2. **GENERAL COMPOSITION**
Contains : Biochemical and enzymatic detergents, alkaline salts, sodium phosphate, sodium alkylarylsulphonate -clay.
Components which may be considered hazardous: None
3. **HAZARD IDENTIFICATION**
Not considered dangerous when used as a cleaning agent. Care should be taken to reflect powder composition and alkaline status (see 9 below). Should be treated as a nuisance dust. High levels may be irritating to eyes, skin and respiratory tract.
4. **FIRST AID MEASURES**
- | Exposure Route | Symptom | Treatment |
|-------------------------------|--|---|
| Inhalation | Irritation of respiratory tract | Remove to fresh air. Rinse mouth with water. |
| Skin Contact | Risk of dermatitis if user is allergic to enzymes. | When diluted, product degreases skin. Remove clothing and wash before re-use. Rinse skin with water and apply hand cream. |
| Eye Contact | Inflammation/redness. | Irrigate with copious amounts of water for at least 10 minutes. |
| Ingestion | Irritation of the respiratory tract. | Rinse mouth with water but do not drink. Do not induce vomiting. Consult a doctor for treatment. |
| Immediate Treatment /Antidote | | Symptomatic treatment. If subject is allergic, give anti-histamine under medical advice. |
| Delayed Effects | | Seek medical advice if symptoms persist. |
5. **FIRE FIGHTING MEASURES**
- | | |
|---|---|
| Extinguishing Media | Select medium appropriate for other materials involved - water, dry powder, carbon dioxide. |
| Unsuitable Extinguishers | None |
| Hazardous Combustion Products | None |
| Fire Fighting Protective Equipment | Self contained breathing apparatus and suitable protective clothing must be worn in fire conditions.. |
6. **ACCIDENTAL RELEASE MEASURES**
- | | |
|----------------------------------|--|
| Safety Precautions | Wear gloves, mask and goggles where appropriate. |
| Environmental Precautions | Dilute with water, if escape to water course imminent. |
| Clean-up Procedure | Collect into plastic containers or sacks. Wash spillage area with water. |
7. **HANDLING AND STORAGE**
- | | |
|-------------------------------|--|
| Handling | : Avoid contact with eyes and inhalation |
| Ventilation | : Good, general ventilation |
| Storage | : Keep dry |
| Temperature Range | : 5°C - 60°C |
| Keep Away From | : Acids, metal packaging especially iron and aluminium |
| Suitable Storage Media | : Plastic or glass |
8. **EXPOSURE CONTROLS AND PERSONAL PROTECTION**
- | | |
|------------------------|---|
| Respiratory | : Wear mask when packing. Type approved for RPE dusts, if required. |
| Hand | : Wear gloves for contact with dry powder and long term contact with product in solution. Product degreases skin. |
| Eye | : Wear goggles, if exposed to dust during packing or bulk handling. |
| Skin | : Wear protective overalls when handling bulk powder. Wash before re-use. |
| Hygiene Measure | : If subject is allergic to enzymatic detergents and reacts to product obtain medical advice. Protection is required when packing powder or spraying solution in a confined or poorly ventilated space. Mask and goggles are not necessary for operational use, as instructed. Rinse all traces if used on food preparation surfaces. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Fine off-white powder (in colour)
Melting Point/Range	:	Not applicable
Oxidising Properties	:	None
Relative Density	:	Approx.0.6kg per litre
Solubility in Water	:	Partially soluble +/- 15%
Solubility in Solvent	:	Slightly soluble
Decomposition Temperature:	:	Active matter enzymes decompose @ 60°C
pH	:	9.5 - 10 in saturated solution

10. STABILITY AND REACTIVITY

Known Hazardous Reactions:	:	None. CO ₂ released when mixed with acids.
Materials to Avoid	:	Acids
Hazardous Decomposition Products:	:	None in normal use

11. TOXICOLOGICAL INFORMATION

Effects	:	Powder will cause irritation to eyes and respiratory tract. eyes. When activated with water, will break down molecular structure of hydrocarbon chains. Product will degrease skin. May provoke allergies in subjects sensitive to enzymes or standard detergents.
----------------	---	--

12. ECOLOGICAL INFORMATION

Environmental Effects	:	Degrades hydrocarbons. Will boost the activity of biological waste treatment plant.
Mobility	:	None
Degradability	:	Active ingredients 100% degradable in water. Clay support will not degrade.
Aquatic Toxicity	:	High concentrations may injure fish due to pH and may provide nutrients for plant growth.

13. DISPOSAL CONSIDERATIONS

Substance	:	Do not activate bulk powder by adding water. Keep dry and collect for use as directed or dispose of 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.
Container	:	Plastic or glass but not metal.

14. TRANSPORT INFORMATION

Not assigned in:
The Road Traffic (Carriage of Dangerous Substances in Road Tankers and Tank Containers) Regulations.
The Road Traffic (Carriage of Dangerous Substances in Packages) Regulations.

15. REGULATORY INFORMATION

Supply Label Details	:	Manufacturer's Classification
Label Name	:	UltraShield Max Power
Symbols	:	Irritant cross black on orange
Risk Phases	:	Irritant
Safety Phases	:	Do not mix with acids. Keep out of reach of children. In case of contact, wash skin and eyes with water. Wear gloves for prolonged contact with solution. Wear mask if at risk of inhalation.

16. OTHER INFORMATION

This product is to be used as a detergent for the degradation of organic wastes - primarily fats, grease and hydrocarbons on porous surfaces and soil.
Active ingredients (enzymes) are activated by water.
Read label before opening container.
Do not mix with chemical cleaners or with water above 50°C as this will impair effectiveness.
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.

Date of Issue: 15th January 2014

BS510S

