

Revision 00

Unit C3 Avonmouth Docks Estate, Chittening,  
Avonmouth. Bristol. BS11 OYB Ref: MSDS  
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**MATERIAL SAFETY DATA SHEET**

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**1. Identification**

Trade Name:Microshield Water Repellent

Intended Use:Proofing/and surface/water shedding treatment for brick and stone. (Not suitable for DPC/ground water treatment).

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**2. Composition**

Water based dispersion of a modified acrylic polymer resin.

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**3. Hazards Identification**

Microshield is not classified as hazardous 91/155/EEC

The surfactants and traces as free monomer on polymer dispersions can cause dermatitis through repeated contact in sensitive individuals. Eye contact may cause irritation.

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**4. First Aid Measures**

Skin Contact:Wash immediatley with soapy water before the dispersion dries.

Eye Contact:Wash with clean water for 15 minutes.

Ingestion:Give plenty of water to drink, induce vomiting and obtain medical advice.

Inhalation:Remove to well ventilated area.-----

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**5. Fire Fighting Measures**

Aqueous dispersion is not classified as flammable. Dried films are combustible. Water, foam, carbon dioxide or dry powder extinguishers are all suitable.

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## **6. Accidental Release Measures**

Spillages should not be washed into any drains unless it leads to a suitable effluent treatment process. Residues and spillages should be soaked up with an inert absorbent (e.g. sand) for disposal, according to local regulations. Wash spills with water after material pick up is complete. -----  
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## **7. Handling and Storage**

7.1 Handling: Microshield should be handled with good industrial safety and hygiene practices. Small levels of volatile organic compounds may accumulate in the headspace of containers which should be opened carefully and in ventilated surroundings.

7.2 Storage: Sealed containers should be stored between 2°C and 30°C. Keep container tightly closed. -----  
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## **8. Exposure Controls and Personal Protection**

8.1 Exposure controls: Local exhaust ventilation may be required in circumstances where the product is sprayed, heated or dried.

8.2 Personal Protection:

Respiratory: Vapour/mist masks when spraying

Handling: PVC Gloves if risk of skin contact.

Eye: Eye goggles if risk of splashing.

Skin: Liquid proof industrial overalls if splashing/spraying.

Do not inhale vapours/mist/aerosol. -----  
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## **9. Physical and Chemical Properties**

Appearance: Milky white liquid

Odour: Slight - ammonia and ester

pH: (ISO 1148) 8.0 - 9.0

Boiling Point: Approx . 100 C (as water)

Flammability & Auto Ignition: N/A

Vapour pressure: As water

Water solubility: Fully miscible

Relative density: Approx 1.0 at 25° (ISO 8962)  
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## **10 Stability and Reactivity**

Microshield is stable under normal conditions of use. Hazardous de-composition products may involve trace amounts of alcohol and formalin. -----  
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## **11 Toxicological Information**

No data known and product is not classed as toxic under EC classification. Experience of handling this class of product under industrial conditions indicates the absence of any chronic or acute effects. Avoid inhalation of vapours. Wear face visor/goggles/mask for spraying, also protective gloves/coveralls. -----  
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## **12 Ecological Information**

Do not allow product to enter sewers and water courses.  
Microshield is miscible with water and will be progressively diluted if admitted to waterways. The base polymer is slowly biodegraded. In low concentrations (<500mg/litre), the product exhibits low toxicity to fish (OECD 203). Low concentrations of Microshield are unlikely to reduce sludge activity in sewage treatment. The polymer will be largely absorbed on the sludge and is consequently removed from the waste water. -----  
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## **- 13 Disposal Considerations**

Microshield is not classified as hazardous waste. Resin can be coagulated and separated from the aqueous phase for landfill or incineration  
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**14 Transport Information**

NOT RESTRICTED UNDER TRANSPORT REGULATIONS IN THE UK

Un Number:None  
Class:Not Classified  
Packaging Group:Not Classified  
Hazchem Group:Not Classified  
RID/ADR:Not Classified  
IMO Class:Not Classified  
IMDG Code Page No:Not Classified  
ICAO/IATA Class:Not Classified  
Kemler Code:Not Classified  
Tremcard No:Orange Low Hazard  
CCT No:291 719 90

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**15. Regulatory Information**

CLASSIFICATION AND LABELLING ACCORDING TO EEC DIRECTIVES

Classification:None  
Risk Phrases:None  
Safety Phrases:None  
Applicable Legislation:Packaging and Labelling of Dangerous Substances Regulations 1990,  
Environmental Protection Act 1990, COSHH Regulations 1988. CHIPS 2 Regulations 1994.

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**16 Other Information**

Recommended Uses:Industrial Solvent and Cleaning -----

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The information given in this document has been compiled on the basis of available knowl-  
edge in accordance with the requirements of the Chemical Hazard Information and Packaging  
Regulations 1993. It does not imply that the information is complete or accurate in all cases.  
It is the user's responsibility to satisfy him/herself as to the application of the information  
and/or the recommendations given for his/her own use.

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Emergency advice can be obtained from Harwell Chemical Emergency Centre 01235 834800