Safety Data Sheet

Product: **BELZONA® 4221 (Magma-Seal)**
Date: **MAY 1997**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	Belzona Polymerics Ltd. Claro Road, Harrogate, HG1 4AY. Tel: +44 (0) 1423 567641 Emergency Tel: +44 (0) 1423 503218	Product Type: Two-pack material for waterproofing in negative-pressure situations.
	POWDER	**LIQUID**
2. COMPOSITION/INFORMATION ON INGREDIENTS	Modified Portland Cement and Silica sand 60-100%	Modified styrene-acrylic polymer 60-100%
3. HAZARDS IDENTIFICATION	Prolonged or repeated inhalation of dust can cause chemical asthma and possible injury to lungs.	May cause irritation by inhalation and skin contact.
4. FIRST AID MEASURES		
Inhalation	Remove to fresh air. Seek medical attention if recovery is delayed.	Not applicable.
Skin	Remove excess with clean cloth and wash skin thoroughly with soap and water. If irritation persists seek medical attention.	Remove excess with clean cloth and wash skin thoroughly with soap and water. If irritation persists seek medical attention.
Eyes	Rinse immediately with copious amounts of water for at least 15 minutes. If irritation persists seek medical attention.	Rinse immediately with copious amounts of water for at least 15 minutes. If irritation persists seek medical attention.
Ingestion	Do not induce vomiting. Immediately rinse mouth with water. Drink plenty of water. Seek medical attention promptly.	Do not induce vomiting. Immediately rinse mouth with water. Drink plenty of water. Seek medical attention promptly.
5. FIRE-FIGHTING MEASURES		
Extinguishing Media	Not applicable	Not applicable
Unsuitable	Not applicable	Not applicable
Special Procedures	No special procedures	No special procedures
6. ACCIDENTAL RELEASE MEASURES		
Personal Precautions	Wear suitable protective gloves and clothing.	Wear suitable protective gloves and clothing.
Environmental Precautions	Do not allow to contaminate water, effluent or soil. Observe Local Bye Laws.	Do not allow to contaminate water, effluent or soil. Observe Local Bye Laws.
Cleansing Methods	Sweep/shovel up and remove for disposal. Flush residues away with water.	Absorb with dry inert material such as sand. Place into suitable labelled containers for disposal. Flush residues away with water.
7. HANDLING AND STORAGE	Avoid contact with skin and eyes. When using do not eat, drink or smoke. Store in tightly lidded containers in dry conditions between 5°C and 30°C.	Avoid contact with skin and eyes. When using do not eat, drink or smoke. Store in tightly lidded containers in dry conditions between 5°C and 30°C.
8. EXPOSURE CONTROLS AND PERSONAL PROTECTION		
Respiratory	Wear respiratory dust mask suitable for nuisance dust.	In confined areas or where good natural/mechanical ventilation is not available respiratory protection should be used.
Hands	Impermeable nitrile or neoprene gloves.	Impermeable nitrile or neoprene gloves.
Eyes	Faceshield/Goggles	Faceshield/Goggles
Other	Suitable protective clothing	Suitable protective clothing

	POWDER	LIQUID
9. PHYSICAL AND CHEMICAL PROPERTIES		
Boiling point	Not applicable	100°C
Flash Point (Closed Cup)	Not applicable	Not applicable
Flammability	Non-flammable, but combustible	Non flammable
Autoflammability	Not applicable	Not applicable
Explosive Properties	Not applicable	Not applicable
Oxidising Properties	Not applicable	Not applicable
Vapour Pressure	Not applicable	2.35 x 10^3 Pa at 20°C
Relative Density	2.88	1.04
Solubility in Water	Dispersible	Miscible
Other Data	-	-
10. STABILITY AND REACTIVITY	Stable	Stable
Conditions to Avoid	Not applicable	Not applicable
Materials to Avoid	Water and strong mineral acids	May coagulate or flocculate if mixed with highly ionic solutions or organic solvents.
Hazardous Decomposition Products	Gaseous combinations of carbon, hydrogen and oxygen.	Gaseous combinations of carbon, hydrogen and oxygen.
11. TOXICOLOGICAL INFORMATION	Nuisance dust: Exposure not to exceed 10 mg m^{-3} 8 hour TWA total inhalable dust	Acute oral toxicity: Oral LD_{50} (rat) = >5000 mg kg^{-1}
12. ECOLOGICAL INFORMATION	No information available	No information available
13. DISPOSAL	Disposal must be carried out in accordance with Local and National Regulations.	Disposal must be carried out in accordance with Local and National Regulations.
14. TRANSPORT INFORMATION		
Hazard Warning	Not applicable	Not applicable
UN No.	Not applicable	Not applicable
IMO/IMDG	Not applicable	Not applicable
ICAO/IATA	Not applicable	Not applicable
RID/ADR	Not applicable	Not applicable
15. REGULATORY INFORMATION		
Hazard	Irritant	Not classified as hazardous under Chemicals (Hazard Information and Packing) Regulations 1993.
Risk Phrases	Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact.	Not applicable
Safety Phrases	After contact with skin, wash immediately with plenty of soap and water. Wear suitable gloves and eye/face protection.	Not applicable
16. OTHER INFORMATION	Adequate ventilation is that which ensures that the oxygen content of the air being breathed is greater than 18% and that any airborne contaminants with occupational exposure limits do not exceed quoted MEL or OES values.	Adequate ventilation is that which ensures that the oxygen content of the air being breathed is greater than 18% and that any airborne contaminants with occupational exposure limits do not exceed quoted MEL or OES values.

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