Safety Data Sheet

Product: **BELZONA® 4911 (Magma TX Conditioner)**
Date: **FEBRUARY 1999**

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 conditioning surfaces prior to the application of Belzona® 4000 Series Products**
	BASE	**SOLIDIFIER**
2. COMPOSITION/INFORMATION ON INGREDIENTS	**Bisphenol A-epichlorohydrin (Reaction product) 60-100%** **1,2-Epoxy-3-(tolyloxy) propane 10-30%**	**Isophoronediamine 10-30%** **Benzyl alcohol 30-60%** **Diethylenetriamine 5-10%**
3. HAZARDS IDENTIFICATION	**Irritant. Prolonged or repeated contact can cause sensitization and dermatitis.**	**Contact causes burns and possible sensitization. Severe cases may result in permanent damage.**
4. FIRST AID MEASURES		
Inhalation	**Remove to fresh air**	**Remove to fresh air**
Skin	**Remove excess with clean cloth and wash skin thoroughly with soap and water. If irritation or inflammation persists seek medical attention.**	**Remove excess with clean cloth and wash skin thoroughly with soap and water. In the event of any irritation or inflammation seek immediate 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. Seek medical attention promptly.**
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 1/3 pint water every 10 minutes for 30 minutes. Seek medical attention promptly.**
5. FIRE-FIGHTING MEASURES		
Extinguishing Media	**Dry powder, foam, carbon dioxide, water fog.**	**Dry powder, foam, carbon dioxide, water fog.**
Unsuitable	**Water jet**	**Water jet**
Special Procedures	**Fire fighters must wear self contained breathing apparatus due to the toxic nature of evolved gases.**	**Fire fighters must wear self contained breathing apparatus due to the toxic nature of evolved gases.**
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	**Absorb with dry inert material such as sand. Place into suitable labelled containers for disposal. Flush contaminated area with detergent and water.**	**Absorb with dry inert material such as sand. Place into suitable labelled containers for disposal. Flush contaminated area with detergent and 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	**In confined areas or where good natural/mechanical ventilation is not available respiratory protection should be used.**	**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**

	BASE	SOLIDIFIER
9. PHYSICAL AND CHEMICAL PROPERTIES		
Boiling point	Decomposes	> 175°C
Flash Point (Closed Cup)	140°C	> 98°C
Flammability	Non flammable, but combustible.	Non-flammable, but combustible.
Autoflammability	No information available	No information available
Explosive Properties	Not applicable	Not applicable
Oxidising Properties	Not applicable	Not applicable
Vapour Pressure	No information available	30 Pa at 20°C
Relative Density	1.163	1.042
Solubility in Water	Insoluble	< 0.1%
Other Data	Exothermic reactions occur when components are mixed. Avoid storage of mixed material in sealed containers.	Exothermic reactions occur when components are mixed. Avoid storage of mixed material in sealed containers.
10. STABILITY AND REACTIVITY	Stable	Stable
Conditions to Avoid	Not applicable	Not applicable
Materials to Avoid	Strong oxidising agents, acids, bases and amines.	Strong oxidising agents, acids, epoxy resins and isocyanates.
Hazardous Decomposition Products	Gaseous combinations of carbon, hydrogen and oxygen.	Gaseous combinations of carbon, hydrogen, oxygen and nitrogen.
11. TOXICOLOGICAL INFORMATION	Base component: Oral LD_{50} > 5000 mg/kg^{-1}	Benzyl alcohol: Oral LD_{50} (rat) 1230 mg kg^{-1} Inhal LD_{50} (rat) 1000 ppm (8hr TWA) Diethylenetriamine: OES (8hr TWA) 1 ppm, 4 mg m^{-3} Oral LD_{50} (rat) 1080 mg kg^{-1} Dermal LD_{50} (rabbit) 1090 mg kg^{-1}
12. ECOLOGICAL INFORMATION	Bisphenol A-epichlorohydrin (Reaction Product) LC_{50} (Fathead minnow) : 3.1 mgL^{-1} Based on absence of biodegradability and on moderate toxicity to fish, resin could be potential aquatic pollutant.	No information available
13. DISPOSAL	Excess product should be mixed and allowed to solidify before disposal. Disposal must be carried out in accordance with Local and National Regulations.	Excess product should be mixed and allowed to solidify before disposal. Disposal must be carried out in accordance with Local and National Regulations.
14. TRANSPORT INFORMATION		
Hazard Warning	Not applicable	Corrosive
UN No.	Not applicable	1760
IMO/IMDG	Not applicable	Class 8/8147
ICAO/IATA	Not applicable	Class 8 1760 III
RID/ADR	Not applicable	Class 8 No 66° (c)
15. REGULATORY INFORMATION		
Hazard	Irritant	Corrosive
Risk Phrases	Irritating to eyes and skin. May cause sensitization by skin contact.	Harmful by inhalation and skin contact. Harmful if swallowed. Causes burns. May cause sensitization by skin contact.
Safety Phrases	Contains epoxy constituents. See information supplied by manufacturer. Avoid contact with skin and eyes. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection.	Avoid contact with skin and eyes. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
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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