Safety Data Sheet

Product: **BELZONA® 5911 (Ceramic Conditioner)**
Date: **NOVEMBER 1996**

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® 5111
	BASE		**SOLIDIFIER**
2. COMPOSITION/INFORMATION ON INGREDIENTS	Propyleneglycolmonoethyletheracetate Xylene Ethyl benzene	10-30% 5-12% 1-5%	Propyleneglycolmonoethyletheracetate Xylene Ethyl benzene Toluene diisocyanate	10-30% 10-30% 1-5% 0-1%
3. HAZARDS IDENTIFICATION	Flammable. Prolonged or repeated contact can lead to de-fatting and irritation of skin.		Flammable. Harmful by inhalation and skin contact. Inhalation can cause tightness of chest, dry throat etc. Symptoms may not develop immediately.
4. FIRST AID MEASURES			
Inhalation	Remove to fresh air. In the event of any respiratory distress seek medical attention immediately.		Remove to fresh air. In the event of any respiratory distress seek medical attention immediately.
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. If irritation or inflammation 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	Dry powder. Foam. Carbon dioxide.		Dry powder. Foam. Carbon dioxide.
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. Store away from sources of ignition and out of direct sunlight.		Avoid breathing vapour. 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. Store away from sources of ignition and out of direct sunlight.
8. EXPOSURE CONTROLS AND PERSONAL PROTECTION			
Respiratory	In confined areas or where good natural/mechanical ventilation is not available leading to a risk of exceeding the exposure limits indicated, respiratory protection should be used.		In confined areas or where good natural/mechanical ventilation is not available leading to a risk of exceeding the exposure limits indicated, 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	>137°C	>137°C
Flash Point (Closed Cup)	32°C	36°C
Flammability	Flammable	Flammable
Autoflammability	498°C	498°C
Explosive Properties	Lel: 1.1% Uel: 10.8%	Lel: 1.1% Uel: 10.8%
Oxidising Properties	Not applicable	Not applicable
Vapour Pressure	490-890 Pa at 20°C	<1000 Pa at 20°C
Relative Density	1.54	1.16
Solubility in Water	Insoluble	Reacts. Carbon dioxide evolved.
Other Data		
10. STABILITY AND REACTIVITY	Stable	Stable
Conditions to Avoid	Not applicable	Not applicable
Materials to Avoid	Strong oxidising agents, amines.	Strong oxidising agents, amines, water.
Hazardous Decomposition Products	Gaseous combinations of carbon, hydrogen, oxygen.	Gaseous combinations of carbon, hydrogen, oxygen, nitrogen.
11. TOXICOLOGICAL INFORMATION	Xylene: OES (8 hr TWA) 100 ppm, 435 mg m^{-3} Ethyl benzene: OES (8 hr TWA) 100 ppm, 435 mg m^{-3}	Toluene diicocyanate: MEL (8 hr TWA) 0.02 mg m^{-3} (10 min STEL) 0.07 mg m^{-3} Xylene: OES (8 hr TWA) 100 ppm, 435 mg m^{-3} Ethyl benzene: OES (8 hr TWA) 100 ppm, 435 mg m^{-3}
12. ECOLOGICAL INFORMATION	No information available	Acute bacterial toxicity EC_{50} => 10,000 mg/l Acute fish toxicity LC_{50} => 800 mg/l (Zebra barbel)
WGK CLASSIFICATION		1 - slightly hazardous
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	Flammable	Flammable
UN No.	1263	1263
IMO/IMDG	Class 3.3 / 3372	Class 3.3 / 3372
ICAO/IATA	Class 3 III	Class 3 III
RID/ADR	Class 3 No.31°(c)	Class 3 No.31°(c)
15. REGULATORY INFORMATION		
Hazard	Flammable	Harmful
Risk Phrases	Flammable	Flammable. Harmful by inhalation and skin contact. Irritating to skin. May cause sensitization by inhalation.
Safety Phrases	Avoid contact with skin and eyes.	In case of contact with eyes rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water. In case of insufficient ventilation wear suitable respiratory 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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