Safety Data Sheet

Product: **BELZONA® 2221 (MP Fluid Elastomer)**
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 component urethane
	BASE	**SOLIDIFIER**
2. COMPOSITION/INFORMATION ON INGREDIENTS	Toluene diisocyanate 0-1%	Phenylmercuric neodecanoate 0-1%
3. HAZARDS IDENTIFICATION	Harmful by inhalation. May cause sensitization by inhalation.	Harmful. Risk of cumulative effects.
4. FIRST AID MEASURES Inhalation	Remove to fresh air	Remove to fresh air
Skin	Wash skin thoroughly with soap and water. If irritation persists seek medical attention.	Wash skin thoroughly with soap and water. Dry with absorbent lint. If irritation persists seek medical attention.
Eyes	Rinse immediately with copious amounts of water for at least 15 minutes. Seek medical attention promptly.	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 plenty of milk. 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. Sweep up and place into suitable labelled container. Flush area with dilute ammonium hydroxide or water-alcohol mixture.	Absorb with dry inert material such as sand. Sweep up and place into suitable labelled container. Flush contaminated area with detergent and water.
7. HANDLING AND STORAGE	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.	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 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	No information available.	> 100°C.
Flash Point (Closed Cup)	>127°C.	> 125°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	Not applicable.	No information available.
Relative Density	1.03	1.40
Solubility in Water	Reacts.	Negligible
Other Data	Reacts with water and generates carbon dioxide.	-
10. STABILITY AND REACTIVITY	Stable	Stable
Conditions to Avoid	Not applicable.	Not applicable
Materials to Avoid	Water. Strong oxidising agents. Alcohol. Amines.	Strong oxidising agents.
Hazardous Decomposition Products	Gaseous combinations of carbon, hydrogen, oxygen and nitrogen.	Mercury vapours plus gaseous combinations of carbon, hydrogen, oxygen and nitrogen.
11. TOXICOLOGICAL INFORMATION	Toluene diisocyanate: MEL:- LTEL (8 hr) 0.02 mg m^{-3} STEL (10 min) 0.07 mg m^{-3}	Phenylmercuric neodecanoate: OES:- LTEL (8 hr) 0.05 mg m^{-3}
12. ECOLOGICAL INFORMATION	No information available	Toxic and long term adverse effects possible in aquatic environment.
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.	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	Harmful	Harmful
Risk Phrases	Harmful by inhalation. May cause sensitization by inhalation.	Harmful by inhalation and skin contact. Harmful if swallowed. Risk of cumulative effects.
Safety Phrases	Contains isocyanates. See information supplied by manufacturer. In case of insufficient ventilation wear suitable respiratory protection. Do not breathe gas/fumes/vapour/spray.	Wear suitable protective clothing, gloves and eye/face protection.
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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