Safety Data Sheet

Product: BELZONA® 2311 (SR Elastomer)
Date: MARCH 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 repair and reclamation of machinery and equipment.
		BASE	SOLIDIFIER
2.	COMPOSITION/INFORMATION ON INGREDIENTS	Diphenylmethane -4,4'-diisocyanate 10-25%	Diethyltoluenediamine 1-5%
3.	HAZARDS IDENTIFICATION	Harmful. Inhalation can lead to tightness of chest and possible sensitization. Symptoms may not appear immediately.	No apparent hazard, but avoid contact with skin and eyes.
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 persists seek medical attention.	Remove excess with clean cloth and wash skin thoroughly with soap and water. If irritation persists seek medical attention.
	Eyes	Flush immediately with copious amounts of water for at least 15 minutes. Seek medical attention promptly.	Flush 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 water. 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 area with dilute ammonium hydroxide or water-alcohol mixture.	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 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	Polymerises at 260°C.	> 200°C.
Flash Point (Closed Cup)	>200°C.	> 95°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	<0.01 Pa at 25°C.	Negligible.
Relative Density	1.15	1.156
Solubility in Water	Reacts.	Slightly soluble
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	Strong oxidising agents. Alcohol. Amines. Water.	Strong oxidising agents. Acids.
Hazardous Decomposition Products	Gaseous combinations of carbon, hydrogen, oxygen and nitrogen.	Gaseous combinations of carbon, hydrogen, oxygen and nitrogen.
11. TOXICOLOGICAL INFORMATION	Diphenylmethane -4,4'-diisocyanate: MEL:- LTEL (8 hr) 0.02 mg m^{-3} STEL (10 min) 0.07 mg m^{-3}	Diethyltoluenediamine: Oral LD_{50} (rat) 500 mg kg^{-1}
12. ECOLOGICAL INFORMATION	No information available.	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.	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	Not classified as hazardous under Chemicals (Hazard Information and Packing) Regulations 1998.
Risk Phrases	Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation.	-
Safety Phrases	Contains isocyanates. See information supplied by manufacturer. Avoid contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe gas/fumes/vapour/spray.	Avoid contact with skin and eyes.
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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