Safety Data Sheet

Product: **BELZONA® 2111 (D & A Hi-Build Elastomer)**
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 repair and reclamation of machinery and equipment
		BELZONA® 2100 BASE		**BELZONA® 2111 SOLIDIFIER**
2.	**COMPOSITION/INFORMATION ON INGREDIENTS**	Diphenylmethane -4,4'-diisocyanate	10-25%	Phenylmercuric neodecanoate 1-5% m-phenylenediamine 1-5%
3.	**HAZARDS IDENTIFICATION**	Harmful. Inhalation can lead to tightness of chest and possible sensitization. Symptoms may not appear immediately.		Toxic, with possible cumulative effects.
4.	**FIRST AID MEASURES**			
	Inhalation	Remove to fresh air. If symptoms persist seek medical attention.		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. Dry with absorbent lint. Seek medical attention promptly.
	Eyes	Rinse immediately with copious amounts of water for at least 15 minutes. Immediately rinse mouth with water.		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 contact with skin and eyes. When using do not eat, drink or smoke. Store unopened 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 unopened 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.

	BELZONA® 2100 BASE	BELZONA® 2111 SOLIDIFIER
9. PHYSICAL AND CHEMICAL PROPERTIES		
Boiling point	Polymerises at 260°C.	> 200°C
Flash Point (Closed Cup)	>177°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	<0.02 Pa at 25°C.	No information available
Relative Density	1.1	1.0
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	Strong oxidising agents. Alcohol. Amines. Water.	Strong oxidising agents.
Hazardous Decomposition Products	Gaseous combinations of carbon, Hydrogen and Oxygen.	Gaseous combinations of carbon, hydrogen, oxygen and nitrogen plus Mercury vapours.
11. TOXICOLOGICAL INFORMATION	Diphenylmethane -4,4'-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} m-phenylenediamine: LTEL (8 hr) 0.1 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.	Toxic
UN No.	Not applicable.	2810
IMO/IMDG	Not applicable.	Class 6.1 /6270-1
ICAO/IATA	Not applicable.	Class 6.1 2810 III
RID/ADR	Not applicable.	Class 6.1 No 25° (c)
15. REGULATORY INFORMATION		
Hazard	Harmful	Toxic
Risk Phrases	Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation.	Toxic by inhalation. Toxic by skin contact and if swallowed. Risk of cumulative effects. May cause sensitization by skin contact.
Safety Phrases	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).	Store away from food, drink and animal feeding stuffs. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing. 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.

Copyright © 1996 by Belzona International Limited. All rights reserved. Certain portions of this work copyright © 1992, 1993, 1994, 1995 by Belzona International Limited. No part of this work covered by the copyrights hereon may be reproduced or used in any form or by any means - graphic, electronic or mechanical including photocopying, recording, taping or information storage and retrieval systems - without written permission of the publisher.

Belzona® is a registered trademark

Printed in England Publication No. 79-11-96

Belzona Polymerics Ltd.,
Claro Road,
Harrogate, HG1 4AY,
England.
Tel: +44 (0) 1423 567641
Fax: +44 (0) 1423 505967

Belzona Inc.,
2000 N.W. 88 Court,
Miami, Florida 33172,
U.S.A.
Tel: +1 (305) 594 4994
Fax: +1 (305) 599 1140

BS EN ISO 9002 : 1994
Certificate No Q/09335