Safety Data Sheet

Product: **BELZONA® 4111 (Magma-Quartz)**
Date: **APRIL 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: Epoxy aggregate for use with Belzona® 4151 Resins.
2. COMPOSITION/INFORMATION ON INGREDIENTS	Bisphenol A Epoxy Resin (MW <700) 1-5%	
3. HAZARDS IDENTIFICATION	Irritant. Prolonged or repeated contact can cause sensitization and dermatitis.	
4. FIRST AID MEASURES		
Inhalation	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.	
Eyes	Flush 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.	
5. FIRE-FIGHTING MEASURES		
Extinguishing Media	Dry powder, foam, carbon dioxide, water fog.	
Unsuitable	-	
Special Procedures	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.	
Environmental Precautions	Do not allow to contaminate water, effluent or soil. Observe Local Bye Laws.	
Cleansing Methods	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 in tightly lidded containers in dry conditions between 5°C and 30°C.	
8. EXPOSURE CONTROLS AND PERSONAL PROTECTION		
Respiratory	Not normally required with adequate ventilation.	
Hands	Impermeable nitrile or neoprene gloves.	
Eyes	Faceshield/Goggles	
Other	Suitable protective clothing	

9. PHYSICAL AND CHEMICAL PROPERTIES	
Boiling point	Not applicable
Flash Point (Closed Cup)	Not applicable
Flammability	Non flammable, but combustible.
Autoflammability	No information available
Explosive Properties	Not applicable
Oxidising Properties	Not applicable
Vapour Pressure	Not applicable
Relative Density	2.6 (bulk density)
Solubility in Water	Insoluble
Other Data	Exothermic reactions occur when components are mixed. Avoid storage of mixed material in sealed containers.
10. STABILITY AND REACTIVITY	Stable
Conditions to Avoid	Not applicable
Materials to Avoid	Strong oxidising agents, acids, bases and amines.
Hazardous Decomposition Products	Gaseous combinations of carbon, hydrogen and oxygen.
11. TOXICOLOGICAL INFORMATION	No information available
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.
13. DISPOSAL	Disposal must be carried out in accordance with Local and National Regulations.
14. TRANSPORT INFORMATION	
Hazard Warning	Not applicable
UN No.	Not applicable
IMO/IMDG	Not applicable
ICAO/IATA	Not applicable
RID/ADR	Not applicable
15. REGULATORY INFORMATION	
Hazard	Irritant
Risk Phrases	May cause sensitization by skin contact.
Safety Phrases	Wear suitable gloves and eye/face protection. Contains epoxy constituents. See information supplied by manufacturer. 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.

Copyright © 1999 by Belzona International Limited. All rights reserved. Certain portions of this work copyright © 1992, 1994, 1995, 1996 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. 9-4-99

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