Safety Data Sheet

Product: **BELZONA® 2911 (Elastomer QD Conditioner)**
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:** **One-pack moisture cured urethane conditioner for treating surfaces prior to application of Belzona® 2000 Series Products.**
2. COMPOSITION/INFORMATION ON INGREDIENTS	**Diphenylmethane-4,4'-diisocyanate 5-10%** **1,1-Dichloro-1-fluoroethane 60-100%**	
3. HAZARDS IDENTIFICATION	**Harmful. Inhalation can lead to tightness of chest and possible sensitization. Symptoms may not appear immediately.**	
4. FIRST AID MEASURES		
Inhalation	**Remove to fresh air. If symptoms persist seek medical attention.**	
Skin	**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.**	
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	**Water jet**	
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	**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.**	
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.**	
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.**	
Hands	**Impermeable nitrile or neoprene gloves.**	
Eyes	**Faceshield/Goggles**	
Other	**Suitable protective clothing**	

9. PHYSICAL AND CHEMICAL PROPERTIES	
Boiling point	32°C.
Flash Point (Closed Cup)	Non-flammable.
Flammability	Not applicable.
Autoflammability	Not applicable.
Explosive Properties	Lel: 7.6% Uel: 17.7%
Oxidising Properties	Not Applicable.
Vapour Pressure	6.9×10^4 Pa at 20°C.
Relative Density	1.12
Solubility in Water	Reacts
Other Data	Open with care. Pressure build-up may occur due to low boiling point solvent contained within this product.
10. STABILITY AND REACTIVITY	Stable.
Conditions to Avoid	Open flames, hot glowing surfaces and electric arcs.
Materials to Avoid	Water. Carbon dioxide evolved. Strong oxidising agents. Alcohol. Amines.
Hazardous Decomposition Products	Contact with naked flames or red hot surfaces produces corrosive and toxic products.
11. TOXICOLOGICAL INFORMATION	Diphenylmethane-4,4'-diisocyanate: MEL: LTEL (8 hr) 0.02 mg m^{-3} STEL (10 min) 0.07 mg m^{-3} 1,1-Dichloro-1-fluoroethane: MEL: (8 hr) 500 ppm LD_{50} Oral (rat) > 5000 mg kg^{-1} LD_{50} Dermal (rabbit) >2000 mg kg^{-1} LC_{50} Inhalation (rat) : 62000 ppm
12. ECOLOGICAL INFORMATION	Mobililty: Toxicity. Unlikely to have any toxic effect. Ecotoxicity: Daphnia - moderately toxic (31.2 - 126 mg L^{-1})
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	Harmful
Risk Phrases	May cause sensitization by inhalation.
Safety Phrases	In case of insufficient ventilation wear suitable respiratory equipment. Contains isocyanates. See information supplied by manufacturer. Avoid contact with skin and eyes. Wear suitable gloves and eye/face protection. Do not breathe fumes/vapour.
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.

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