WHMIS MATERIAL SAFETY DATA SHEET

SECTION 1 - Product Identification and Use		Date : **18 October, 2000**
Product identifier : **BELZONA® 2911 (ELASTOMER QD CONDITIONER)**		PIN/UN No : **Not applicable**
Product use : **Repair of Machinery and Equipment**		WHMIS classification : **D2A**
Manufacturer's name & address : **BELZONA POLYMERICS Ltd.,** Claro Road, Harrogate, Yorkshire, HG1 4AY, United Kingdom. Emergency telephone number : U.K. -44-1423-503218	Supplier's name & address : **BELZONA Inc.,** 2000 N.W. 88 Court, America's Gateway Park, Miami, Florida 33172, United States.	Supplier's emergency telephone numbers : (Spill, Leak, Fire, Exposure or Accident) 800 424 9300 - Toll free in Canada 202 483 7616 Information telephone number : 305 594 4994 - Working hours only

SECTION 2 - Hazardous Ingredients

Hazardous Ingredients	Approximate Concentration	CAS Numbers	Exposure Limits	LD_{50}/LC_{50} Species and Route
Diphenylmethane diisocyanate (MDI)	**5-10%**	**101-68-8**	**ACGIH (TWA) TLV 0.005 ppm**	**Oral LD_{50} 9200mg/kg rat IHL LC_{50} 178mg/m^3 rat**
1,1-Dichloro-1-fluoroethane	**60-100%**	**1717-00-6**	**500 ppm (TWA) ***	**Oral LD_{50} >5g/kg rat IHL LC_{50} 62000 ppm/4H rat**
*** Suppliers recommendation**				

SECTION 3 - Physical Data

Physical state : **Liquid**	Appearance/Odour : **Clear brown/slight**	Odour threshold(ppm) : **Not available**
Vapour pressure (mm Hg) : **520 @ 20°C**	Vapour density (Air = 1) : **>1**	Boiling point (°C) : **32**
pH : **Not applicable**	Specific gravity : **1.12**	Coefficient water/oil : **Not available**
Freezing point (°C) : **Not applicable**	Solubility in water (20°C) : **Reacts**	Evaporation rate (relative to n-Butyl Acetate) : **Faster**

SECTION 4 - Fire and Explosion Data

Flammability : **Not flammable but combustible** If yes, under which conditions :		
Means of extinction : **Water fog, carbon dioxide or dry powder**		
Special procedures : **Wear protective clothing and breathing apparatus. Use sand to contain burning materials.**		
Flash point and method : **>200°C Closed cup**	Explosion limits (% by volume) : Lower : **7.6%** Upper : **17.7%**	Autoignition temp (°C) : **Not available**
Hazardous combustion products : **Gaseous combinations of carbon, hydrogen, oxygen, chlorine, fluorine and nitrogen**		
Explosion data - Sensitivity to impact : **Not applicable**	Explosion data - Sensitivity to static discharge : **Not applicable**	

SECTION 5 - Reactivity Data

Chemical stability : **Yes** If no, under which conditions :	
Incompatibility to other substances : **Yes** If yes, which ones :	**Strong oxidisers, chemically active metals, e.g. Al,Na,K,Ca,Mg,Zn and water**
Reactivity and under what conditions :	**Reacts with water/moisture to generate carbon dioxide**
Hazardous decomposition products :	**See hazardous combustion products above**

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SECTION 6 - Toxicological Properties of Product

Route of entry :
Skin contact : √ Skin absorption : Eye contact : √ Inhalation acute : √ Inhalation chronic : √ Ingestion : √

Effects of acute exposure to product : **Harmful by inhalation.**

Effects of chronic exposure to product : **Chemical asthma, sensitization.**

LD_{50} of product (species and route) : **Not available**	Irritancy of product : **Moderate to eyes/skin and respiratory system**	Exposure limits of product : **See section 2**
LC_{50} of product (species and route) : **>700mg/m^3/4H rat †**	Sensitization to product : **Respiratory and skin (MDI)**	Synergistic materials : **Not available**

Carcinogenicity : **N.av*** Reproductive effects : **N.av*** Teratogenicity : **N.av*** Mutagenicity : **N.av***

*** Not available for the mixture, however, available information on the individual components does not indicate any chronic exposure hazard other than that stated above.**

† Equivalent LC_{50}, According to method described in Section 45 of the Controlled Products Regulations.

SECTION 7 - Preventative Measures

Personal protective equipment :	Gloves : **Nitrile or Neoprene**	Eye : **Goggles/faceshield**
Footwear : **Industrial boots**	Respiratory (protection required if exposure > TLV) : **Face mask with organic vapour/isocyanate canister**	Clothing : **Overalls**

Other :

Engineering controls :	**Where adequate natural ventilation is not available provide suitable local exhaust ventilation.**
Leak and spill procedures :	**Contain with a dry inert material (e.g. sand). Sweep up and place into suitable covered, labelled containers. Flush area with dilute ammonium hydroxide or alcohol/water.**
Waste disposal :	**In accordance with Federal, Provincial and Local Regulations.**
Handling procedures :	**Avoid contact with skin and eyes. Avoid breathing fumes/vapour.**
Storage requirements :	**Keep in a cool, well ventilated place, in the original containers.**

SECTION 8 - First Aid Measures

Skin :	**After contact with skin, wash immediately with plenty of soap and water.**
Eye :	**In case of contact with eyes, rinse immediately with plenty of water and seek medical advice if any irritation persists.**
Inhalation :	**If symptoms are experienced, remove source of contamination or move victim to fresh air. Obtain medical attention immediately if recovery is delayed.**
Ingestion :	**Do not induce vomiting. Immediately rinse the mouth with water. Drink plenty of water (1 pint/600 mls). Seek medical attention promptly.**
General advice :	**When using do not eat, drink or smoke. Take off immediately all contaminated clothing and launder before reuse. Wash hands thoroughly after handling this product.**

SECTION 9 - Preparation Date of MSDS

Additional information : **Replaces previous issue dated 7 October 1997**

Prepared by :	Phone number :	Date :
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