WHMIS MATERIAL SAFETY DATA SHEET

SECTION 1 - Product Identification and Use		Date : **30 October, 2000**
Product identifier : **BELZONA® 4211 (MAGMA-STOP)**		PIN/UN No : **Not applicable**
Product use : **Repair and Reclamation**		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
Silica, crystalline quartz	**30-60%**	**14808-60-7**	**ACGIH (TWA) TLV = 0.05 mg/m³ (R)**	**Not available**
Portland cement	**30-60%**	**65997-15-1**	**ACGIH (TWA) TLV 10 mg/m³**	**Not available**
Calcium hydroxide	**1-5%**	**1305-62-0**	**ACGIH (TWA) TLV = 5 mg/m³**	**Oral LD_{50} 7340mg/kg rat**

(R) Respirable particulates. The quartz contained within this product is very unlikely to be a risk due to physical form (see Section 3)

SECTION 3 - Physical Data

Physical state : **Granular, powder, dust**	Appearance/Odour : **White/Odourless or no characteristic odour**	Odour threshold(ppm) : **Not applicable**
Vapour pressure (mm Hg) : **Not applicable**	Vapour density (Air = 1) : **Not applicable**	Boiling point (°C) : **Not applicable**
pH : **Not applicable**	Specific gravity : **1.35 (bulk)**	Coefficient water/oil : **Not applicable**
Freezing point (°C) : **Not applicable**	Solubility in water (20°C) : **Reacts**	Evaporation rate (relative to n-Butyl Acetate) : **Not applicable**

SECTION 4 - Fire and Explosion Data

Flammability : If yes, under which conditions :	**No**
Means of extinction :	**Not applicable**
Special procedures :	**Not applicable**

Flash point and method : **Not applicable**	Explosion limits (% by volume) : Lower : **Not applicable** Upper : **Not applicable**	Autoignition temp (°C) : **Not applicable**
Hazardous combustion products : **Not applicable**		
Explosion data - Sensitivity to impact : **Not applicable**	Explosion data - Sensitivity to static discharge : **Not applicable**	

SECTION 5 - Reactivity Data

Chemical stability : If no, under which conditions :	**Yes**
Incompatibility to other substances : If yes, which ones :	**Yes** **Reacts with water**
Reactivity and under what conditions :	**Reacts with water**
Hazardous decomposition products :	**Not applicable**

Product identifier : **BELZONA® 4211 (MAGMA-STOP)**

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 :	**Irritating to eyes and skin.**
Effects of chronic exposure to product :	**Cements are known to cause both irritant and allergic contact dermatitis. Prolonged skin contact can result in chemical burns.**

LD_{50} of product (species and route) : **Not available**	Irritancy of product : **Severe to skin and eyes. Moderate to respiratory system.**	Exposure limits of product : **See Section 2**
LC_{50} of product (species and route) : **Not available**	Sensitization to product : **Not applicable**	Synergistic materials : **Not available**

Carcinogenicity : **†** Reproductive effects : **N.ap** Teratogenicity : **N.ap** Mutagenicity : **N.ap**

† Quartz is listed by ACGIH as 'A2' suspected human carcinogen. The risk is associated with the inhalation of the respirable dust fraction.

SECTION 7 - Preventative Measures

Personal protective equipment :	Gloves : **Use neoprene or nitrile**	Eye : **Goggles/faceshield**
Footwear : **Safety boots**	Respiratory (protection required if exposure > TLV) : **Dust mask**	Clothing : **Overalls**

Other :

Engineering controls :	**Where adequate natural ventilation is not available provide suitable local exhaust ventilation.**
Leak and spill procedures :	**Sweep up and place into suitable covered, labelled containers. Flush area with water.**
Waste disposal :	**In accordance with Federal, Provincial and Local Regulations.**
Handling procedures :	**Avoid contact with skin and eyes. Avoid breathing dust.**
Storage requirements :	**Keep dry, 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 8 October 1997**

Prepared by :	Phone number :	Date :
N.A.Robinson	**U.K. -44-1423-567641**	**30 October, 2000**