



WHMIS MATERIAL SAFETY DATA SHEET

SECTION 1 - Product Identification and Use		Date : 9 October, 2000
Product identifier : BELZONA® 9411 (RELEASE AGENT)		PIN/UN No : 3082
Product use : Repair and Reclamation		WHMIS classification : D2B
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
1,1-Dichloro 1-fluoroethane	30-60%	1717-00-6	ACGIH TLV 500 ppm	Oral LD₅₀ >5000 mg/kg rat IHL LC₅₀ 62000 ppm/4H rat
Naphtha (Petroleum) hydrodesulfurized, heavy	30-60%	64742-82-1	600 mg/m³ supplier recommendation	Not available

SECTION 3 - Physical Data		
Physical state : Liquid	Appearance/Odour : White/solvent	Odour threshold(ppm) : Not available
Vapour pressure (mm Hg) : 520 @ 20°C	Vapour density (Air = 1) : 4.1	Boiling point (°C) : >32
pH : Not applicable	Specific gravity : 0.95	Coefficient water/oil : Not available
Freezing point (°C) : Not applicable	Solubility in water (20°C) : Negligible	Evaporation rate (relative to n-Butyl Acetate) : Greater

SECTION 4 - Fire and Explosion Data		
Flammability :	Not flammable but combustible	
If yes, under which conditions :		
Means of extinction :	Water fog, foam, carbon dioxide or dry powder	
Special procedures :	Wear protective clothing and breathing apparatus. Use sand to contain burning materials.	
Flash point and method : Will not flash	Explosion limits (% by volume) : Lower : 7.6 Upper : 17.7	Autoignition temp (°C) : Not applicable
Hazardous combustion products : Gaseous combinations of carbon, hydrogen, oxygen, fluorine and chlorine		
Explosion data - Sensitivity to impact : Not available	Explosion data - Sensitivity to static discharge : Not available	

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.
Reactivity and under what conditions :	Not applicable
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 : **Inhalation of vapours may cause nausea, dizziness, drowsiness or, in extreme cases, unconsciousness. Harmful, may cause lung damage if swallowed.**

Effects of chronic exposure to product : **None known.**

LD ₅₀ of product (species and route) : Not available	Irritancy of product : Repeated exposure may cause skin dryness and cracking. Irritating to eyes and respiratory system.	Exposure limits of product : See Section 2
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LC ₅₀ of product (species and route) : Not available	Sensitization to product : Not available	Synergistic materials : Not available
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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.**

SECTION 7 - Preventative Measures

Personal protective equipment :	Gloves : Impermeable Nitrile or Neoprene	Eye : Goggles/faceshield
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Footwear : Safety shoes	Respiratory (protection required if exposure > TLV) : Face mask with organic vapour canister	Clothing : Overalls
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Other :

Engineering controls : **Where adequate natural ventilation is not available provide suitable local exhaust ventilation.**

Leak and spill procedures : **Contain with an inert material (e.g. earth or sand). Sweep up and place into suitable covered, labelled containers. Flush area with detergent/water.**

Waste disposal : **In accordance with Federal, Provincial and Local Regulations.**

Handling procedures : **Avoid contact with skin and eyes. Do not breathe the vapours.**

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 8 October 1997**

Prepared by : N.A.Robinson	Phone number : U.K. -44-1423-567641	Date : 9 October, 2000
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