WHMIS MATERIAL SAFETY DATA SHEET

SECTION 1 - Product Identification and Use		Date : **12 May, 1998**
Product identifier : **BELZONA® 9111 (CLEANER/DEGREASER)**		PIN/UN No : **Not applicable**
Product use : **Solvent cleaner and degreaser**		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
C9-C11 Aromatic Hydrocarbon	*****	**70693-06-0**	**Not available**	**Oral LD_{50} >5g/kg rat**
Naphtha (petroleum) hydrotreated, heavy	*****	**64742-48-9**	**Not available**	**Oral LD_{50} >5g/kg rat**
*** Proprietary mixture - no information available**				

SECTION 3 - Physical Data

Physical state : **Liquid**	Appearance/Odour : **Clear/Solvent**	Odour threshold(ppm) : **Not available**
Vapour pressure (mm Hg) : **<1 @ 25°C**	Vapour density (Air = 1) : **>1**	Boiling point (°C) : **183-210**
pH : **Not applicable**	Specific gravity : **0.84**	Coefficient water/oil : **Not available**
Freezing point (°C) : **Not applicable**	Solubility in water (20°C) : **0.1% w/w**	Evaporation rate (relative to n-Butyl Acetate) : **Slower**

SECTION 4 - Fire and Explosion Data

Flammability : **Not flammable but combustible** If yes, under which conditions :		
Means of extinction : **Foam, carbon dioxide or dry powder**		
Special procedures : **Wear protective clothing and breathing apparatus. Use sand to contain burning materials.**		
Flash point and method : **>62°C (Setaflash)**	Explosion limits (% by volume) : Lower : **0.6** Upper : **7.0**	Autoignition temp (°C) : **Not available**
Hazardous combustion products : **Gaseous combinations of carbon, hydrogen and oxygen**		
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 oxidising agents**
Reactivity and under what conditions :	**Not applicable**
Hazardous decomposition products :	**See hazardous combustion products above**

Product identifier : **BELZONA® 9111 (CLEANER/DEGREASER)**

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 : **Skin, eye and respiratory tract irritation. Inhalation of vapours may cause irritation, nausea, dizziness, drowsiness or, in extreme cases, unconsciousness.**

Effects of chronic exposure to product : **Irritation and dermatitis on prolonged contact.**

LD_{50} of product (species and route) :	Irritancy of product :	Exposure limits of product :
Not available	**Irritant**	**Not available**
LC_{50} of product (species and route) :	Sensitization to product :	Synergistic materials :
(Golden Orfe 48 hr) >1000 ppm (>100 mgl^{-1})	**Not available**	**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.**

SECTION 7 - Preventative Measures

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

Other :	**Air fed respirator if the oxygen content in the air being breathed is less than 18%.**
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 and water.**
Waste disposal :	**In accordance with Federal, Provincial and Local Regulations.**
Handling procedures :	**Avoid contact with skin and eyes, and breathing vapours.**
Storage requirements :	**Keep in a cool, well ventilated place, in the original containers. Store away from sources of ignition and out of direct sunlight.**

SECTION 8 - First Aid Measures

Skin :	**After contact with skin, wash immediately with plenty of soap and water. If irritation or inflammation persists, seek medical attention.**
Eye :	**In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes 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 :
Dr.W.R.Ashcroft	**U.K. -44-1423-567641**	**12 May, 1998**