Safety Data Sheet

Product: **BELZONA® 3921 (GSC Surface Conditioner)**
Date: **MARCH 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: Two-pack material for conditioning surfaces prior to the application of Belzona® 3111 or Belzona® 3211
	BASE	**SOLIDIFIER**
2. COMPOSITION/INFORMATION ON INGREDIENTS	Solvent naphtha (petroleum) light aromatic 5-10% Propyleneglycolmonomethylether 10-30% Xylene 1-5% Ethyl benzene 0-1%	Solvent naphtha (petroleum) light aromatic 30-60% Propyleneglycolmonomethylether 10-30% Xylene 10-30% Ethyl benzene 1-5%
3. HAZARDS IDENTIFICATION	Flammable. Prolonged or repeated contact can lead to de-fatting and irritation of skin.	Flammable. Harmful by inhalation and skin contact. Irritating to respiratory system and skin.
4. FIRST AID MEASURES		
Inhalation	Remove to fresh air. If symptoms persist seek medical attention.	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 or inflammation persists seek medical attention.	Remove excess with clean cloth and wash skin thoroughly with soap and water. If irritation or inflammation persists seek medical attention.
Eyes	Rinse immediately with copious amounts of water for at least 15 minutes. If irritation persists seek medical attention.	Rinse immediately with copious amounts of water for at least 15 minutes. If irritation persists seek medical attention.
Ingestion	Do not induce vomiting. Immediately rinse mouth with water. Drink plenty of water. Seek medical attention promptly.	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.	Dry powder, foam, carbon dioxide, water fog.
Unsuitable	Water jet	Water jet
Special Procedures	Fire fighters must wear self contained breathing apparatus due to the toxic nature of evolved gases.	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.	Wear suitable protective gloves and clothing.
Environmental Precautions	Do not allow to contaminate water, effluent or soil. Observe Local Bye Laws.	Do not allow to contaminate water, effluent or soil. Observe Local Bye Laws.
Cleansing Methods	Absorb with dry inert material such as sand. Place into suitable labelled containers for disposal. Flush contaminated area with detergent and water.	Absorb with dry inert material such as sand. Place into suitable labelled containers for disposal. Flush contaminated area with detergent and water.
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. Store away from sources of ignition and out of direct sunlight.	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. Store away from sources of ignition and out of direct sunlight.
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.	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.	Impermeable nitrile or neoprene gloves.
Eyes	Faceshield/Goggles	Faceshield/Goggles
Other	Suitable protective clothing	Suitable protective clothing

	BASE	SOLIDIFIER
9. PHYSICAL AND CHEMICAL PROPERTIES		
Boiling point	119°C	119°C
Flash Point (Closed Cup)	32°C	32°C
Flammability	Flammable	Flammable
Autoflammability	Autoignition temp: 270°C	Autoignition temp: 270°C
Explosive Properties	Lel: 0.9% Uel: 11.5%	Lel: 0.9% Uel: 11.5%
Oxidising Properties	Not applicable	Not applicable
Vapour Pressure	387-1333 Pa at 20°C	387-1333 Pa at 20°C
Relative Density	2.28	1.01
Solubility in Water	Insoluble	Insoluble
Other Data	Reacts with water to liberate hydrogen.	-
10. STABILITY AND REACTIVITY	Stable	Stable
Conditions to Avoid	Not applicable	Not applicable
Materials to Avoid	Water and strong oxidising agents.	Strong oxidising agents.
Hazardous Decomposition Products	Gaseous combinations of carbon, hydrogen, oxygen and nitrogen.	Gaseous combinations of carbon, hydrogen, oxygen and nitrogen.
11. TOXICOLOGICAL INFORMATION	1,2,4-trimethylbenzene: OES (8hr TWA) 225 ppm, 125 mg m^{-3} Xylene: OES (8hr TWA) 100 ppm, 435 mg m^{-3} Ethyl benzene: OES (8hr TWA) 100 ppm, 435 mg m^{-3} Propyleneglycolmonomethylether: OES (8hr TWA) 100 ppm, 360 mg m^{-3}	1,2,4-trimethylbenzene: OES (8hr TWA) 225 ppm, 125 mg m^{-3} Xylene: OES (8hr TWA) 100 ppm, 435 mg m^{-3} Ethyl benzene: OES (8hr TWA) 100 ppm, 435 mg m^{-3} Propyleneglycolmonomethylether: OES (8hr TWA) 100 ppm, 360 mg m^{-3}
12. ECOLOGICAL INFORMATION	Toxic to aquatic organisms. Toxic and long term adverse effects possible in aquatic environment.	Toxic to aquatic organisms. Toxic and long term adverse effects possible in aquatic environment.
13. DISPOSAL	Excess product should be mixed and allowed to solidify before disposal. Disposal must be carried out in accordance with Local and National Regulations.	Excess product should be mixed and allowed to solidify before disposal. Disposal must be carried out in accordance with Local and National Regulations.
14. TRANSPORT INFORMATION		
Hazard Warning	Flammable	Flammable
UN No.	1263	1263
IMO/IMDG	Class 3.3/3372	Class 3.3/3372
ICAO/IATA	Class 3 1263 III	Class 3 1263 III
RID/ADR	Class 3 No. 31° (c)	Class 3 No. 31° (c)
15. REGULATORY INFORMATION		
Hazard	Flammable	Harmful
Risk Phrases	Flammable	Flammable. Harmful by inhalation and skin contact. May cause lung damage if swallowed. Irritating to respiratory system.
Safety Phrases	Do not breathe fumes/vapour. In case of insufficient ventilation wear suitable respiratory protection. Use only in well ventilated areas.	Do not breathe fumes/vapour. Wear suitable protective gloves and clothing. Use only in well ventilated areas. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
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.	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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