Safety Data Sheet

Product: BELZONA® 4341
Date: JULY 1998

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 chemical resistant coating
	BASE	**SOLIDIFIER**
2. COMPOSITION/INFORMATION ON INGREDIENTS	Epoxy phenol novolac resin 30-60% Alcohol diluent 10-30%	Aliphatic Amines 60-100%
3. HAZARDS IDENTIFICATION	Harmful by inhalation and skin contact (R20/21). Harmful if swallowed (R22). Irritating to eyes and skin (R36/38). May cause sensitization by skin contact (R43).	Harmful by inhalation and if swallowed (R20/22). Causes severe burns (R35). May cause sensitization by skin contact (R43).
4. FIRST AID MEASURES		
Inhalation	Remove to fresh air. Seek medical attention promptly.	Remove to fresh air. Seek medical attention promptly.
Skin	Rinse with water, then wash with soap and water. If irritation persists seek medical attention.	Rinse immediately with copious amounts of water for at least 15 minutes. Seek medical attention promptly.
Eyes	Flush immediately with copious amounts of water for at least 15 minutes. If irritation persists seek medical attention.	Flush immediately with copious amounts of water for at least 15 minutes. Seek medical attention promptly.
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	Carbon dioxide. Foam. Dry powder.	Carbon dioxide. Foam. Sand.
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 clothing, gloves and eye/face protection (S36/37/39)	Wear suitable protective clothing, gloves and eye/face protection (S36/37/39)
Environmental Precautions	Do not empty into drains (S29). Do not allow to contaminate water, effluent or soil. Observe Local Bye Laws.	Do not empty into drains (S29). 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.	Absorb with dry inert material such as sand. Place into suitable labelled containers for disposal. Flush contaminated area with detergent and water. In case of insufficient ventilation wear suitable respiratory protection.
7. HANDLING AND STORAGE	Avoid contact with skin and eyes (S24/25). Do not breathe the vapour/spray (S23). Use only in well ventilated areas (S51). Store in tightly lidded containers in dry conditions between 5°C and 30°C.	Avoid contact with skin and eyes (S24/25). Do not breathe the vapour/spray (S23). Use only in well ventilated areas (S51). When using do not eat, drink or smoke (S20/21). Store in tightly lidded containers in dry conditions between 5°C and 30°C.
8. EXPOSURE CONTROLS AND PERSONAL PROTECTION		
Respiratory	In confined areas or where good natural/mechanical ventilation is not available respiratory protection should be used.	In confined areas or where good natural/mechanical ventilation is not available respiratory protection should be used.
Hands	Impermeable nitrile or neoprene gloves.	Impermeable nitrile or neoprene gloves.
Eyes	Faceshield/Goggles	Faceshield/Goggles
Other	Wear suitable protective clothing (S36).	Wear suitable protective clothing (S36).

	BASE	SOLIDIFIER
9. PHYSICAL AND CHEMICAL PROPERTIES		
Boiling point	Not applicable	>250°C
Flash Point (Closed Cup)	>100°C	>100°C
Flammability	Non-flammable, but combustible	Not applicable
Autoflammability	Not applicable	No information available
Explosive Properties	Not applicable	No information available
Oxidising Properties	Not applicable	No information available
Vapour Pressure	Not applicable	5.50 mm Hg at 21°C
Relative Density	1.58	No information available
Solubility in Water	Negligible	Slightly soluble 0.1-1%
Other Data	-	-
10. STABILITY AND REACTIVITY	Stable	Stable
Conditions to Avoid	Heat. Static electricity discharge.	Not applicable
Materials to Avoid	Oxidising agents. Acids. Bases.	Oxidising agents. Acids. Under uncontrolled conditions.
Hazardous Decomposition Products	Decomposition products may include toxic and irritant fumes.	Decomposition products may include toxic and irritant fumes.
11. TOXICOLOGICAL INFORMATION	Epoxy Phenol Novolac Resin Oral LD_{50} (rat) >5000 mg/kg Alcohol diluent Oral LD_{50} (rat) 275 mg/kg	Acute oral toxicity LD_{50} (rat) >1000 mg/kg Acute inhalation toxicity LC_{50} (rat) >700 ppm/1 hr Acute dermal toxicity LD_{50} (rabbit) >2000 mg/kg
12. ECOLOGICAL INFORMATION	Not readily biodegradable. Waste from this product may present long term environmental hazards, thus landfill disposal must be condisered less acceptable than incineration.	Waste from this product may present long term environmental hazards, thus landfill disposal must be condisered less acceptable than incineration.
WGK Classification	No information available	2 Self Classification
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.	Wear suitable protective clothing (S36). Do not empty into drains (S29). 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	Not applicable	Corrosive
UN No.	Not applicable	2735
IMO/ IMDG	Not applicable	Class 8 /109-2
EMS	Not applicable	8.05
MFAG	Not applicable	320
ICAO/IATA	Not applicable	Class 8 2735 II
RID/ADR	Not applicable	Class 8 No 53
15. REGULATORY INFORMATION		
Hazard	Harmful	Corrosive
Risk Phrases	Harmful by inhalation and skin contact (R20/21). Harmful if swallowed (R22). Irritating to eyes and skin (R36/38). May cause sensitization by skin contact (R43).	Harmful by inhalation and if swallowed. Causes severe burns (R35). May cause sensitization by skin contact (R43).
Safety Phrases	In case of contact with eyes rinse immediately with plenty of water and seek medical advice (S26). Avoid contact with skin and eyes (S24/25). Wear suitable protective clothing, gloves and eye/face protection (S36/37/39)	In case of contact with eyes rinse immediately with plenty of water and seek medical advice (S26). Wear suitable protective clothing, gloves and eye/face protection (S36/37/39) In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45).
16. OTHER INFORMATION		

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