

STYCCOBOND F81 RESIN

SPECIFIC HAZARDS

Toxic gases/vapours/fumes of Carbon monoxide (CO). Carbon dioxide (CO2).

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Avoid contact with skin and eyes. Provide adequate ventilation. Use protective gloves, goggles and suitable protective clothing.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses. Avoid discharge onto the ground. Contain spillages with sand, earth or any suitable absorbent material.

SPILL CLEAN UP METHODS

Collect spillage in containers, seal securely and deliver for disposal as hazardous waste.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Provide good ventilation. Avoid contact with skin and eyes. Observe good industrial hygiene practices. Do not eat, drink or smoke when using the product.

STORAGE PRECAUTIONS

Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in closed original container at temperatures between 5°C and 30°C. Store in a cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
CALCIUM CARBONATE	WEL		10 total dust; 4 respirable dust mg/m3			

WEL = Workplace Exposure Limit.

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

In case of inadequate ventilation use a respirator suitable for organic vapours. Consult respirator manufacturer for specific advice.

HAND PROTECTION

Protective gloves should be used if there is a risk of direct contact or splash. Nitrile gloves to BSEN374 are recommended. Break through times can vary depending on thickness, use and source. Change gloves regularly.

EYE PROTECTION

If there is a risk of splashing, wear chemical resistant goggles or visor approved to BS EN166.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination.

HYGIENE MEASURES

Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Wash contaminated clothing before reuse.

PERSONAL PROTECTION

Always check applicability with your supplier of protective equipment.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Paste		
COLOUR	Yellow		
ODOUR	Slight odour Aromatic.		
RELATIVE DENSITY	1.31 approx @ 20 degC	VOLATILE BY VOL. (%)	N/A
pH-VALUE, CONC. SOLUTION	N/A	VISCOSITY	2160 approx Ps @ 20 degC
FLASH POINT (°C)	N/A		

10 STABILITY AND REACTIVITY

STYCCOBOND F81 RESIN

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Considerable exothermic reaction can occur when mixed with epoxide hardeners.

MATERIALS TO AVOID

Strong acids. Strong alkalis. Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

During fire, toxic gases (CO, CO2) are formed.

11 TOXICOLOGICAL INFORMATION

INHALATION

May cause some discomfort in poorly ventilated areas.

INGESTION

Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

SKIN CONTACT

Irritating to skin. May cause sensitisation by skin contact.

EYE CONTACT

Irritating and may cause redness and pain.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Small quantities of product may be treated with an equivalent quantity of product hardener, allowed to cure and disposed of as low hazard waste.

Larger quantities should be disposed of as hazardous waste via a licensed waste operator. Contaminated packaging and washings should be disposed of as Hazardous Waste. Product containers must not be re-used without commercial cleaning.

WASTE CLASS

Hazardous Waste Codes: Product: 080409* ; Contaminated empty container 150110*

14 TRANSPORT INFORMATION



UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700), POLYETHER MODIFIED TRISILOXANE)		
UN NO. ROAD	3082	UK ROAD PACK GR.	III
ADR CLASS NO.	9	ADR CLASS	Class 9: Miscellaneous dangerous substances and articles.
ADR PACK GROUP	III	TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	90	ADR LABEL NO.	9
HAZCHEM CODE	3Z	CEFIC TEC(R) NO.	90GM6-III
RID CLASS NO.	9	RID PACK GROUP	III
UN NO. SEA	3082	IMDG CLASS	9
IMDG PAGE NO.	9	IMDG PACK GR.	III
EMS	F-A, S-F	MFAG	See Guide
UN NO. AIR	3082	AIR CLASS	9
AIR PACK GR.	III		

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15 REGULATORY INFORMATION

LABELLING



Irritant



Dangerous for the environment

CONTAINS

BISPHENOL TYPE F EPOXY RESIN
 EPOXY RESIN (Number average MW <= 700)
 OXIRANE, MONO [(C12-14- ALKYL OXY)METHYL] DERIVS

RISK PHRASES

R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
P5	Contains epoxy constituents. See information supplied by the manufacturer.

16 OTHER INFORMATION

GENERAL INFORMATION

F.Ball and Company Ltd Technical Datasheet.

REVISION COMMENTS

Section 1 : Removal of emergency phone number.

REVISION DATE 07/01/10

REV. NO./REPL. SDS GENERATED 7

RISK PHRASES IN FULL

R20	Harmful by inhalation.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.