



SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: **COLPOR 200 PF CURING AGENT**

Application: Curing agent of two part pitch-free polyurethane sealant.

Company: **Fosroc Limited**

Address: Coleshill Road, Tamworth, Staffordshire. B78 3TL

Telephone: 01827 262222 Out of Hours: 01827 265279 Fax: 01827 262444

2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: chlorinated paraffin, aromatic polyisocyanate.

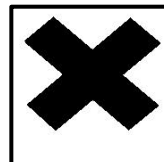
Hazardous Ingredient(s)	Symbol	Risk Phrases	Other Information	%
diphenylmethane-4,4'- di-isocyanate (isomers)	Xn	R20, 36/37/38, 42/43	Cas No: 101-68-8	>25 <50
Chlorinated Paraffin C14-17	N	R51/53	Cas No: Cas No: Cas No: Cas No:	>25

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

R20: Harmful by inhalation
R36/37/38: Irritating to eyes, respiratory system and skin.
R42/43: May cause sensitisation by inhalation and skin contact
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment



HARMFUL



Dangerous for the Environment



4: FIRST AID MEASURES

Eyes: Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention urgently.

Skin: Wash thoroughly with soap and water or suitable skin cleanser as soon as possible.

Inhalation: Remove from exposure, rest and keep warm and obtain medical attention urgently.

Ingestion: Wash out mouth with water. Obtain medical attention urgently.

5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, powder or foam.

Special Exposure Hazards: Toxic fumes. For further information see Section 10.

Special Protective Equipment: Self-contained breathing apparatus.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear suitable protective clothing, gloves and eye/face protection. Immediately issue NO SMOKING and NO NAKED FLAMES warnings.
Environmental Precautions:	Prevent entry into drains, sewers and water courses.
Decontamination Procedures:	Soak up with inert absorbent or contain and remove by best available means. Gather into containers. Clean contaminated area with water.

7: HANDLING AND STORAGE

Handling:	Maintain good standards of personal hygiene. Use only in well ventilated areas. Avoid breathing vapours. Avoid skin and eye contact. In case of insufficient ventilation, wear suitable respiratory equipment.
Storage:	Keep containers dry and tightly closed. Store between (°C) 5 - 25.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:-

Substance	8 Hour TWA	STEL	Source/Other Information
isocyanates, all (as NCO)	0.02 mgm ⁻³ (MEL)	0.07 mgm ⁻³ (MEL)	EH40

Engineering Control Measures:	Use only in well ventilated areas. Local exhaust ventilation is recommended.
Personal Protective Equipment:	In case of insufficient ventilation wear suitable respiratory equipment. (Class 1 respirator CE marked to EN 140, with EN 141/143 Type A1 filter.). Avoid skin and eye contact. Impervious gloves (eg PVC). Safety glasses (Conforming to EN 166) / Goggles (Conforming to EN 166).

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Viscous liquid.
Colour:	Brown.
Odour:	Musty.
pH(concentrate):	Not applicable.
pH(working dilution):	
Boiling Point/Range (°C):	>200
Melting Point/Range (°C):	
Flash Point (closed, °C):	>180
Autoflammability (°C):	
Viscosity (at 20°C):	
Explosive Properties (%):	
Oxidising Properties:	
Vapour Pressure (kPa at 20°C):	>0.0001
Relative Density (at 20°C):	1.25
Water Solubility:	Insoluble
Fat Solubility:	
Partition Coefficient (n-octanol/water):	
Other data:	

10: STABILITY AND REACTIVITY

Stability:	Hazardous polymerisation will not occur unless exposed to amines, alcohols, water, acids or heat
Conditions to Avoid:	Contamination with water. Temperatures (°C) above 50°C.
Materials to Avoid:	Contamination by water. Alcohols. Amines
Hazardous Decomposition Products:	Thermal decomposition:- Oxides of carbon, in some fire circumstances, hydrogen cyanide. Chlorine compounds including hydrogen chloride.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on a knowledge of the toxicity of the product's components.
Oral LD50, rat >15g/kg

Health Effects

On Eyes:	Severe irritation
On Skin:	Irritation.
By Inhalation:	Harmful by inhalation. Concentration-dependent risk of irritating effect on eyes, nose, throat and respiratory tract. Delayed appearance of the complaints and development of hyper-sensitivity (difficult breathing, coughing asthma) are possible. Hypersensitive persons may suffer from these effects even at low isocyanate concentrations
By Ingestion:	May cause nausea, vomiting and diarrhoea.
Chronic:	Repeated and prolonged skin contact may lead to skin disorders.
Other:	Persons who suffer from hypersensitivity of the respiratory tract (e.g. asthmatics and those who suffer from chronic bronchitis) are advised not to work with this product.

12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed of as intended, no adverse environmental effects are foreseen.
Mobility:	Insoluble in water.
Persistence and Degradability:	Not readily biodegradable, but is inherently biodegradable.
Bioaccumulative Potential:	Not expected to be bioaccumulative.
Ecotoxicity:	Not expected to be ecotoxic to fish/daphnia/algae.

13: DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.

Unused Product:	Dispose of through an authorised waste contractor to a licensed site. May be reacted with base component to give an inert polymeric material
Used/Contaminated Product:	Dispose of through an authorised waste contractor to a licensed site.
Packaging:	Contains hazardous residues, must be disposed of through an authorised waste contractor.

14: TRANSPORT INFORMATION

UN Number:	3082			
IMO:	Class: 9	Packing Group:	III	Marine Pollutant: Yes
IATA/ICAO:	Class: 9	Packing Group:	III	
ADR:	Class: 9	Item:		
Transport Name:	Environmentally hazardous substance, liquid, nos (Chlorinated Paraffin C 14-17)			
Hazchem/Kemler Code:				

15: REGULATORY INFORMATION

Hazard Label Data:-

Named Ingredients: diphenylmethane-4-4'-diisocyanate (isomers)
UN Number: 3082
Symbol(s): Xn: Harmful
N: Dangerous for the Environment
Risk Phrases: R20: Harmful by inhalation
R36/37/38: Irritating to eyes, respiratory system and skin
R42/43: May cause sensitisation by inhalation and skin contact
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Safety Phrases: S1/2: Keep locked and out of reach of children
S23: Do not breathe vapour/spray
S36/37: Wear suitable protective clothing and gloves
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
EC Directives: Dangerous Substances Directive, 67/548/EEC and adaptations.
Dangerous Preparations Directive, 1999/45/EC.
Safety Data Sheets Directive, 91/155/EEC.
Statutory Instruments: Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regs. 1996 (SI 1092).
Control of Substances Hazardous to Health Regs. 1999 (SI 3246).
Codes of Practice: Waste Management. The Duty of Care.
Packaging of dangerous substances for carriage by road (L15).
Guidance Notes: Occupational exposure limits (EH 40).
Isocyanates: toxic hazards and precautions (EH16).

The above publications are available from HMSO

16: OTHER INFORMATION

Also refer to the Safety Data Sheet(s) for information on other components of this product.

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from Fosroc Ltd.

If this product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.

Further copies of this Safety Data Sheet may be obtained from Fosroc Limited.

Date Printed: 01/06/2006

SDS Reference: 3774/FTC/1

REVISION

Supersedes issue no: 04 dated: 15.05.02

Sections updated/revised - no(s): 1 2,15.