

SAFETY DATA SHEET

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

Product Name: **NITOFLOR FC130 HARDENER**

Application: Hardener component of two part water based epoxy coating.

Company: **Fosroc Limited**

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

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2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: polyaminoamide, inorganic fillers, pigment, water.

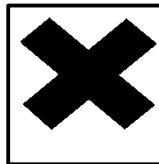
Hazardous Ingredient(s)	Symbol	Risk Phrases	Other Information	%
polyaminoamide	Xi	R36/38, 43	Cas No: - - - -	>10 <25

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

Irritating to eyes and skin.
May cause sensitisation by skin contact



IRRITANT

4: FIRST AID MEASURES

- Eyes:** Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention urgently.
- Skin:** Wash immediately with soap and water or suitable skin cleanser. Remove contaminated clothing immediately.
- Inhalation:** Remove from exposure, rest and keep warm and obtain medical attention urgently.
- Ingestion:** Obtain medical attention urgently. Do NOT induce vomiting. Beware of aspiration if vomiting occurs.

5: FIRE FIGHTING MEASURES

- Suitable Extinguishing Media:** Carbon dioxide, powder, foam or water.
- Special Exposure Hazards:** Toxic fumes. Nitrogen compounds.
- Special Protective Equipment:** Self-contained breathing apparatus.

6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Wear suitable protective clothing, gloves and eye/face protection.
- 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. Dispose of as waste. Clean contaminated area with water.

7: HANDLING AND STORAGE

- Handling:** Maintain good standards of personal hygiene. Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation.
- Storage:** Protect from frost. Keep containers dry and tightly closed.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:- None assigned.

Engineering Control Measures: Use only in well ventilated areas.

Personal Protective Equipment: Avoid skin and eye contact. Impervious gloves (eg PVC). Safety glasses / Goggles. Change contaminated clothing and clean before re-use.

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid.

Colour: Pigmented.

Odour: Amine.

pH(working dilution): ~8.0

Boiling Point/Range (°C): >100

Melting Point/Range (°C): Not applicable

Flash Point (closed, °C): > 110

Autoflammability (°C): Not applicable.

Explosive Properties (%): Not applicable.

Oxidising Properties: Not determined.

Vapour Pressure (kPa at 20°C): 1.0

Relative Density (at 20°C): 1.25

Water Solubility: Partially soluble

10: STABILITY AND REACTIVITY

Stability: Stable if used as directed

Conditions to Avoid: Temperatures (°C) below 5°C

Materials to Avoid: Strong oxidising agents. Strong acids. Strong alkalis.

Hazardous Decomposition Products: Thermal decomposition:- Oxides of carbon. Nitrogen compounds, in some fire circumstances, hydrogen cyanide.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on a knowledge of the toxicity of the product's components:

Expected oral LD50, rat > 2g/kg.

Classified as a skin sensitiser.

Health Effects

On Eyes: Irritating and may injure eye tissue if not removed promptly.

On Skin: Irritation. May cause sensitisation.

By Inhalation: May cause respiratory irritation.

By Ingestion: May cause irritation of mouth, throat and digestive tract.

Chronic: Repeated and prolonged skin contact may lead to skin disorders.

12: ECOLOGICAL INFORMATION

Environmental Assessment: When used and disposed of as intended, no adverse environmental effects are foreseen.

Mobility: Mobile liquid. Partially soluble in water.

Persistence and Degradability: Expected to be not readily biodegradable.

Bioaccumulative Potential: Not expected to be bioaccumulative.

Ecotoxicity: Not determined.

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.
Used/Contaminated Product: As for Unused product.
Packaging: The method of disposal must be acceptable to the local authority.

14: TRANSPORT INFORMATION

This product is NOT classified as dangerous for transport.

15: REGULATORY INFORMATION

Hazard Label Data:-

Named Ingredients: polyaminoamide
Symbol(s): Xi
Risk Phrases: Irritating to eyes and skin.
May cause sensitisation by skin contact.
Safety Phrases: Wear suitable gloves and eye/face protection.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
EC Directives: Dangerous Substances Directive, 67/548/EEC and adaptations.
Dangerous Preparations Directive, 88/379/EEC.
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. 1994 (SI 3246).
Health & Safety at Work, etc. Act 1974.
Environmental Protection (Duty of Care) Regs. 1991 (SI 2839).
Codes of Practice: Waste Management. The Duty of Care.
Guidance Notes: Occupational skin diseases: health and safety precautions (EH 26).

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: 05/01/1999

SDS Reference: 2925/02 NFFC130

REVISION

Supersedes issue no: 01 dated: 24.01.94

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