

SAFETY DATA SHEET NITOFLOR FC130 BASE

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

PRODUCT NAME NITOFLOR FC130 BASE
SUPPLIER FOSROC Limited
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Staffordshire
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2 HAZARDS IDENTIFICATION

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

CLASSIFICATION Xi;R36/38. R43. N;R51/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
EPOXY RESIN (Number average MW \leq 700)	500-033-5	25068-38-6	60-100%	R43 Xi;R36/38 N;R51/53
OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS		68609-97-2	10-30%	R43 Xi;R38

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Remove victim immediately from source of exposure.

INGESTION

Get medical attention. DO NOT INDUCE VOMITING! Beware of aspiration if if vomiting occurs.

SKIN CONTACT

Wash skin thoroughly with soap and water for several minutes.

EYE CONTACT

Immediately rinse with water for several minutes.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Carbon dioxide, powder foam or water fog - Do not use water jets.

SPECIFIC HAZARDS

Toxic fumes. For further information see Section 10.

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

Wear suitable protective clothing, gloves and eye/face protection.

NITOFLOR FC130 BASE

ENVIRONMENTAL PRECAUTIONS

Prevent entry into drains, sewers and water courses.

SPILL CLEAN UP METHODS

Soak up with inert absorbent or contain and remove by best available means. Gather into containers.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

STORAGE PRECAUTIONS

Keep containers dry and tightly closed.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

No specific ventilation requirement noted.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Straw		
ODOUR	Mild		
SOLUBILITY	Insoluble in water		
BOILING POINT (°C)	> 200	RELATIVE DENSITY	1.12 20
VAPOUR PRESSURE	0.001 kPa 20	pH-VALUE, CONC. SOLUTION	Not applicable (non-aqueous)
FLASH POINT (°C)	> 200		

10 STABILITY AND REACTIVITY

STABILITY

Stable: reacts with compounds containing amino, hydroxyl or carboxyl groups to give stable, cross linked materials.

CONDITIONS TO AVOID

None established.

MATERIALS TO AVOID

Strong acids. Strong alkalis. Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition:- Oxides of carbon. Irritant fumes.

11 TOXICOLOGICAL INFORMATION

INHALATION

May cause irritation to the respiratory system.

INGESTION

May cause irritation of mouth, throat and digestive tract.

SKIN CONTACT

Irritating to skin.

EYE CONTACT

May cause temporary eye irritation.

NITOFLOR FC130 BASE

SPECIFIC EFFECTS

Repeated and prolonged skin contact may lead to skin disorders.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Ecotoxic to fish/daphnia/algae.

MOBILITY

Mobile. The product is insoluble in water.

BIOACCUMULATION

Has the potential to bioaccumulate.

DEGRADABILITY

Not readily biodegradable.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Disposal must be in accordance with local and national legislation.

WASTE CLASS 08 02 99

14 TRANSPORT INFORMATION

PROPER SHIPPING NAME	Environmentally hazardous substance, liquid, nos (Epoxy Resin)		
UN NO. ROAD	3082	ADR CLASS NO.	9
ADR PACK GROUP	III	IMDG CLASS	9
IMDG PACK GR.	III		

15 REGULATORY INFORMATION

LABELLING



Irritant



Dangerous for the environment

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

RISK PHRASES

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

SAFETY PHRASES

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.
S24/25	Avoid contact with skin and eyes.
S57	Use appropriate containment to avoid environmental contamination.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
P5	Contains epoxy constituents. See information supplied by the manufacturer.

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC.

Safety Data Sheets Directive, 91/155/EEC.

NITOFLOR FC130 BASE

Dangerous Preparations Directive 1999/45/EC.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

Control of Substances Hazardous to Health.

Health & Safety at Work, etc. Act 1974.

Environmental Protection Act 1990.

APPROVED CODE OF PRACTICE

Waste Management. The Duty of Care.

GUIDANCE NOTES

Occupational skin diseases: health and safety precautions (EH 26).

Storage of packaged dangerous substances [HS(G)71].

16 OTHER INFORMATION

GENERAL INFORMATION

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 a 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 16/02/2010

RISK PHRASES IN FULL

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.

SAFETY DATA SHEET

NITOFLOR FC130 HARDENER

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PRODUCT NAME NITOFLOR FC130 HARDENER

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 +44 (0)1827 262444
 uk@fosroc.com

2 HAZARDS IDENTIFICATION

Irritating to eyes, respiratory system and skin.

CLASSIFICATION Xi;R36/37/38.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
DI-ISOBUTYL KETONE	203-620-1	108-83-8	< 1%	R10 Xi;R37
XYLENE		1330-20-7	< 1%	Xn;R20/21. Xi;R38. R10.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

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

INGESTION

DO NOT induce vomiting. Get medical attention immediately.

SKIN CONTACT

Wash immediately with copious quantities of water. Remove contaminated clothing immediately. Obtain medical advice if skin orders develop.

EYE CONTACT

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

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Carbon dioxide, powder foam or water fog - Do not use water jets.

SPECIFIC HAZARDS

Toxic fumes. Nitrogen compounds.

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

Wear suitable protective clothing, gloves and eye/face protection.

NITOFLOR FC130 HARDENER

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Soak up with inert absorbent or contain and remove by best available means. Gather into containers.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

STORAGE PRECAUTIONS

Protect from frost. Keep containers dry and tightly closed.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
DI-ISOBUTYL KETONE	WEL	25 ppm	148 mg/m ³			
IRON OXIDE RED PIGMENT	WEL		5 mg/m ³		10 mg/m ³	as Fe
TALC MAGNESIUM SILICATE	WEL				2 mg/m ³	
TITANIUM DIOXIDE (RUTILE)	WEL		4 mg/m ³			
XYLENE	WEL	50 ppm	220 mg/m ³	100 ppm	441 mg/m ³	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Use only in well ventilated areas.

PERSONAL PROTECTION

Avoid skin and eye contact. Impervious gloves (eg nitrile or neoprene). Goggles (conforming to EN 166).

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Pigmented		
ODOUR	Amine.		
SOLUBILITY	Partially soluble		
BOILING POINT (°C)	> 100	RELATIVE DENSITY	1.25 20
VAPOUR PRESSURE	1.0 kPa 20	FLASH POINT (°C)	> 110

10 STABILITY AND REACTIVITY

STABILITY

Stable if used as directed.

CONDITIONS TO AVOID

Temperatures below 5°C

MATERIALS TO AVOID

Strong oxidising substances. Strong acids. Strong alkalis.

NITOFLOR FC130 HARDENER

HAZARDOUS DECOMPOSITION PRODUCTS

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

11 TOXICOLOGICAL INFORMATION

INHALATION

May cause irritation to the respiratory system.

INGESTION

May cause irritation of mouth, throat and digestive tract.

SKIN CONTACT

Irritation. May cause sensitisation.

EYE CONTACT

Irritating and may injure eye tissue if not removed promptly.

SPECIFIC EFFECTS

Repeated and prolonged skin contact may lead to skin disorders.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Not determined.

MOBILITY

Mobile. Partially soluble in water.

BIOACCUMULATION

Not expected to be bioaccumulative

DEGRADABILITY

This product is not expected to be readily biodegradable.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Disposal must be in accordance with local and national legislation.

WASTE CLASS 08-02-99

14 TRANSPORT INFORMATION

GENERAL The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15 REGULATORY INFORMATION

LABELLING



Irritant

RISK PHRASES

R36/37/38 Irritating to eyes, respiratory system and skin.

SAFETY PHRASES

S2 Keep out of the reach of children
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.
S37 Wear suitable gloves.

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S46	If swallowed, seek medical advice immediately and show this container or label.
S51	Use only in well-ventilated areas.
S56	Dispose of this material and its container to hazardous or special waste collection point.
S64	If swallowed, rinse mouth with water (only if the person is conscious).

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

Safety Data Sheets Directive, 91/155/EEC.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

Control of Substances Hazardous to Health.

Health & Safety at Work, etc. Act 1974.

Environmental Protection (Duty of Care) Regs. 1991 (SI 2839).

APPROVED CODE OF PRACTICE

Waste Management. The Duty of Care.

GUIDANCE NOTES

Occupational skin diseases: health and safety precautions (EH 26).

16 OTHER INFORMATION

GENERAL INFORMATION

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RISK PHRASES IN FULL

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.