

SAFETY DATA SHEET

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

Product Name: **NITOFIL TH BASE**

Application: Base component of thixotropic epoxy resin injection grout.

Company: **Fosroc Limited**

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2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: epoxy resin, butanediol-1,4-diglycidylether.

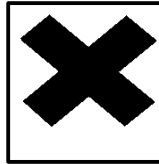
Hazardous Ingredient(s)	Symbol	Risk Phrases	Other Information	%
epoxy resin (number average molecular weight <700)	Xi, N	R36/38, 43, 51/53	Cas No: 25068-38-6	>50
butanediol-1,4-diglycidylether	Xn, N	R20/21, 36/38, 43, 52/53	Cas No: 2425-79-8	>10 <25

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 thoroughly with soap and water or suitable skin cleanser as soon as possible. Obtain medical advice if skin disorders develop.
- Inhalation:** Remove from exposure.
- Ingestion:** Obtain medical attention. Do NOT induce vomiting. Beware of aspiration if vomiting occurs.

5: FIRE FIGHTING MEASURES

- Suitable Extinguishing Media:** Carbon dioxide, powder, foam or water fog - Do not use water jets.
- 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.
- 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.

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: Keep containers dry and tightly closed.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:- None assigned.

Engineering Control Measures: No specific ventilation requirement noted.

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

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Thixotropic liquid.

Colour: White.

Odour: Mild.

Boiling Point/Range (°C): > 200

Flash Point (closed, °C): >150

Autoflammability (°C): Not determined.

Explosive Properties (%): Not known.

Vapour Pressure (kPa at 20°C): 0.1

Relative Density (at 20°C): 1.1

Water Solubility: Insoluble.

Fat Solubility: Not determined.

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 known.

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

Hazardous Decomposition Products: Thermal decomposition:- Oxides of carbon. Irritant fumes.

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 an eye and skin irritant.

Classified as a skin sensitiser.

Health Effects

On Eyes: Irritation.

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: Thixotropic liquid. Insoluble in water

Persistence and Degradability: Not readily biodegradable.

Bioaccumulative Potential: Has the potential to bioaccumulate.

Ecotoxicity: 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.

Used/Contaminated Product: As for Unused product.

Packaging: Must be disposed of through an authorised waste contractor.

14: TRANSPORT INFORMATION

UN Number: 3082

IMO: Class: 9 Packing Group: III

ADR: Class: 9 Item: 11(c)

Transport Name: Environmentally hazardous substance, liquid, nos (Epoxy Resin)

Hazchem/Kemler Code: 90

15: REGULATORY INFORMATION

Hazard Label Data:-

Named Ingredients: epoxy resin (number average molecular weight <700)
butanediol-1,4-diglycidylether

UN Number: 3082

Symbol(s): Xi

Risk Phrases: Irritating to eyes and skin
May cause sensitisation by skin contact

Safety Phrases: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
After contact with skin, wash immediately with plenty of soap and water.
Wear suitable gloves and eye/face protection.
Contains epoxy constituents. See information supplied by the manufacturer.

EC Directives: Dangerous Substances Directive, 67/548/EEC and adaptations.
Dangerous Preparations Directive, 88/379/EEC.
Safety Data Sheets Directive, 91/155/EEC.
Hazardous Waste Directive, 91/689/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 Act 1990.

Codes of Practice: Waste Management. The Duty of Care.
Operational Provisions of the Road Traffic (Carriage of Dangerous Substances in packages etc.) Regs. 1986 (COP 17).

Guidance Notes: Occupational skin diseases: health and safety precautions (EH 26).
Storage of packaged dangerous substances [HS(G)71].

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: 3112/2 NPTH BASE

REVISION

Supersedes issue no: 01 dated: 07.12.93

Sections updated/revised - no(s): 1 , 12, 14.