



SAFETY DATA SHEET

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

Product Name: **NITOFLOR TF5000 BASE**
Application: Base component of three part epoxy resin floor finish.
Company: Fosroc Indonesia
Address: Jl. Akasia II Blok A8 No. 1 Delta Silicon Industrial Park
Lippo Cikarang 17550, Indonesia
Telephone: 62 21 - 897 2103 Fax: 62 21 - 897 2107

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition: epoxy resin, inert fillers, dibutyl phthalate, pigment.

Hazardous Ingredient (s)	Symbol	Risk Phrases	Other Information	%
Epoxy resin (number average molecular weight < 700)	Xi	R36/38, 43	Cas No: 25068-38-6	>50
2-ethylhexyl glycidylether	Xi	R36/38, 43	Cas No: 2461-15-6	>2.5<10
Dibutyl phthalate	Xn, N	R62, 63, 51/53	Cas No: 84-74-2	<5

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. HAZARD IDENTIFICATION

Irritating to eyes and skin.
May cause sensitization 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.
Inhalation: Remove from exposure. If feeling unwell, obtain medical attention.
Ingestion: Wash out mouth with water. 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 Hazard: 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 watercourses.
Decontamination Procedure: 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 CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits:-

Substance	8 Hour TWA	STEL	Source/Other Information
Dibutyl phthalate	5 mgm ⁻³	10 mgm ⁻³	EH40

Engineering Control Measures: No specific ventilation requirement noted.
Personal Protective Equipment: Impervious gloves (e.g. PVC). Safety glasses/Goggles.
Change contaminated clothing and clean before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Viscous liquid
Color: Pigmented
Odor: Mild
Boiling point/Range (°C): >200°C
Flash Point (closed, °C): >200°C
Autoflammability (°C): Not determined
Explosive Properties (%): Not known
Vapor Pressure (kPa at 20°C): 0.002
Relative Density (at 20°C): 1.17
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.
Material to avoid: Strong acids. Strong alkalis. Strong oxidizing 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 > 2 g/kg.

Classified as a skin sensitizer.

Health Effects

On eyes:	Causes transient irritation.
On skin:	Irritation. May cause sensitization.
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. Insoluble in water.
Persistence & Degradability:	Expected to be not readily biodegradable.
Bioaccumulative Potential:	Expected to be bioaccumulative.
Ecotoxicity:	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 authorized waste contractor to a licensed site.
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Used/Contaminated Product:	As for Unused product.
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Packaging:	Must be disposed of through an authorized waste contractor.
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14. TRANSPORT INFORMATION

This product is NOT classified as dangerous for transport.

15. REGULATORY INFORMATION

Hazard Label Data:-

Named Ingredients:	epoxy resin (number average molecular weight < 700) 2-ethylhexyl glycidylether
Symbol(s):	Xi
Risk Phrases:	Irritating to eyes and skin. May cause sensitization by skin contact.
Safety Phrases:	Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, 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 Instrument:	Chemicals (Hazard Information and Packaging) Regs. 1993 (SI 1746). Control of Substances Hazardous to Health Regs. 1988 (SI 1657). 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

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 International Limited. 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 risks, as required by other health and safety legislation.

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