



# SAFETY DATA SHEET

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

Product Name: **NITOPRIME ZINCRICH**

Application: Zinc-rich epoxy protective coating.

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: epoxy resin, metallic zinc, inert fillers, hydrocarbon solvent.

Hazardous Ingredient(s)	Symbol	Risk Phrases	Other Information	%
toluene	F,Xn	R11, 20	Cas No: 108-88-3	>2.5 <10
cyclohexanone	Xn	R10, 20	Cas No: 108-94-1	>2.5 <10
1-methoxy-2-propanol	none	R10	Cas No: 107-98-2	>10 <25
zinc powder	none	R10, 15	Cas No: 7440-66-6	>50

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

Highly flammable.



HIGHLY  
FLAMMABLE

## 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. Obtain medical advice if skin disorders develop.

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

Ingestion: Do NOT induce vomiting. Obtain medical attention. 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: Immediately issue NO SMOKING and NO NAKED FLAMES warnings. Wear self contained breathing apparatus and protective clothing.

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. Dispose of as waste.

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## 7: HANDLING AND STORAGE

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Handling: Do not use near sources of ignition. Use only in well ventilated areas. Avoid breathing vapours. Avoid skin and eye contact.

Storage: Store in conformity with local fire regulations. Store out of direct sunlight. Keep containers dry and tightly closed.

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## 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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Occupational Exposure Limits:-

Substance	8 Hour TWA	STEL	Source/Other Information
cyclohexanone	102 mgm <sup>-3</sup>	408 mgm <sup>-3</sup>	EH40
toluene	191 mgm <sup>-3</sup>	574 mgm <sup>-3</sup>	EH40
1-Methoxypropan-2-ol	375 mgm <sup>-3</sup>	1120 mgm <sup>-3</sup>	EH40

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Engineering Control Measures: Use only in well ventilated areas. Use flameproof equipment and isolate all potential sources of ignition.

Personal Protective Equipment: In case of insufficient ventilation wear suitable respiratory equipment. Impervious gloves (eg PVC). Safety glasses / Goggles. Plastic apron and overalls. Change contaminated clothing immediately and clean before re-use.

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## 9: PHYSICAL AND CHEMICAL PROPERTIES

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Physical State:	Viscous liquid.
Colour:	Silvery / Grey.
Odour:	Aromatic.
pH(concentrate):	Not applicable (non-aqueous).
Boiling Point/Range (°C):	~120
Melting Point/Range (°C):	Not applicable.
Flash Point (closed, °C):	16
Autoflammability (°C):	290
Explosive Properties (%):	Lower explosive limit (LEL): 1.1%. Upper explosive limit (UEL): 12.5%.
Oxidising Properties:	Not determined.
Vapour Pressure (kPa at 20°C):	<1.6
Relative Density (at 20°C):	1.93
Water Solubility:	Partially soluble.

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## 10: STABILITY AND REACTIVITY

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Stability: Contains volatile solvent.

Conditions to Avoid: Any source of ignition.

Materials to Avoid: Strong oxidising agents. Strong acids.

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

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## 11: TOXICOLOGICAL INFORMATION

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The following toxicological assessment is based on a knowledge of the toxicity of the product's components. Expected oral LD50, rat > 2g/kg.

### Health Effects

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

On Skin: Irritation. May be absorbed through the skin. May defat the skin.

By Inhalation: Mist and vapours may cause irritation to nose and respiratory tract. High concentrations of vapour can cause narcosis and asphyxiation.

By Ingestion: May cause nausea, vomiting and diarrhoea. Aspiration of liquid during ingestion or from vomiting may cause severe chemical pneumonitis.

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

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## 12: ECOLOGICAL INFORMATION

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Environmental Assessment:	Contains volatile organic compounds. May cause significant ecological damage in aquatic systems and must be used and disposed of in accordance with the recommendations made in this safety data sheet.
Mobility:	Volatile. Viscous liquid. Partially soluble in water.
Persistence and Degradability:	Not readily biodegradable, but is inherently biodegradable. Volatile organic compounds undergo photochemical degradation in the atmosphere.
Bioaccumulative Potential:	Not determined.
Ecotoxicity:	Moderately ecotoxic to marine organisms.

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## 13: DISPOSAL CONSIDERATIONS

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Disposal must be in accordance with local and national legislation.

Unused Product:	Classified as a special waste. Dispose of through an authorised waste contractor to a licensed site.
Used/Contaminated Product:	As for Unused product. Do not empty into drains, sewers or water courses.
Packaging:	Must be disposed of through an authorised waste contractor. May be steam cleaned and recycled. Contains volatile solvent, ventilate before steam cleaning (explosion risk). Contains flammable residues, do not crush or incinerate.

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## 14: TRANSPORT INFORMATION

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UN Number:	1263			
IMO:	Class: 3.2	Packing Group:	III	Marine Pollutant: Yes
IATA/ICAO:	Class: 3	Packing Group:	III	
ADR:	Class: 3	Item:	5(c)	
Transport Name:	Paint Related Material.			
Hazchem/Kemler Code:	2YE / 33			

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## 15: REGULATORY INFORMATION

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### Hazard Label Data:-

UN Number:	1263
Symbol(s):	F
Risk Phrases:	Highly flammable
Safety Phrases:	Do not breathe vapour/spray. Keep away from sources of ignition - No smoking. Wear suitable gloves and eye/face protection. Use only in well ventilated areas.
EC Directives:	Dangerous Preparations Directive, 88/379/EEC. Safety Data Sheets Directive, 91/155/EEC. Dangerous Substances Directive, 67/548/EEC and adaptations.
Statutory Instruments:	Health & Safety at Work, etc. Act 1974. Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regs. 1996 (SI 1092). Control of Substances Hazardous to Health Regs. 1994 (SI 3246). Environmental Protection Act 1990. Highly Flammable Liquids & Liquefied Petroleum Gases Regs. 1972 (SI 917).
Codes of Practice:	Safety data sheets for substances and preparations dangerous for supply (L37). Waste Management. The Duty of Care.
Guidance Notes:	Storage of packaged dangerous substances [HS(G)71]. Occupational exposure limits (EH 40).

The above publications are available from HMSO

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## 16: OTHER INFORMATION

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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.

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## REVISION

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