



SAFETY DATA SHEET

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

Product Name: **PLIASTIC N2**

Application: Hot-poured joint sealant.

Company: **Fosroc Limited**

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

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2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: bitumen, rubber, inorganic fillers, plasticisers.

Hazardous Ingredient(s)	Risk Phrases	Other Information	%
bitumen	*see Section 11	Cas No: 64742-93-4	>50
extracts (petroleum), heavy paraffinic distillate solvent	R45	Cas No: 64742-04-7	>2.5 <10

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

May cause cancer.



TOXIC

4: FIRST AID MEASURES

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

Skin: Wash immediately with copious quantities of water. Hot contact - cool affected parts thoroughly under running water. Do NOT remove adhering material. Cover burn with sterile dressing. Obtain medical attention immediately..

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

Ingestion: Wash out mouth with water and give sips of cold water to soothe the affected parts. Obtain medical attention.

5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, powder or foam.

Special Exposure Hazards: Toxic fumes. Sulphur compounds. Nitrogen compounds.

Special Protective Equipment: Self-contained breathing apparatus.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear rubber boots in addition to the recommended protective clothing. Immediately issue NO SMOKING and NO NAKED FLAMES warnings.

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.

7: HANDLING AND STORAGE

Handling: Maintain good standards of personal hygiene. Use only in well ventilated areas. Do not subject to direct heat. Use only indirectly heated, oil-jacketted equipment. Do not heat above 185°C. Care should be taken to avoid contact with hot material. Avoid breathing fumes and vapours.

Storage: Store in cool, dry area.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Substance	Occupational Exposure Limits:- 8 Hour TWA	Hot material. STEL	Source/Other Information
Rubber fume	0.6 mgm ⁻³ (MEL)	- - -	EH 40
Asphalt, petroleum fumes (bitumen fumes)	5 mgm ⁻³	10 mgm ⁻³	EH 40
Hydrogen sulphide	14 mgm ⁻³	21 mgm ⁻³	

Engineering Control Measures: Use only in well ventilated areas.

Personal Protective Equipment: A high standard of personal hygiene is essential. Avoid breathing vapours. Avoid skin and eye contact. Wear heat resistant, impervious gloves. Face shield. Change contaminated clothing immediately and clean before re-use. Wash hands thoroughly after handling this product.

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid.

Colour: Black.

Odour: Typical.

pH(concentrate): Not applicable (non-aqueous).

Flash Point (closed, °C): 230

Explosive Properties (%): Not applicable.

Oxidising Properties: Not determined.

Relative Density (at 20°C): 1.15

Water Solubility: Insoluble

10: STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid: None known.

Materials to Avoid: None known.

Hazardous Decomposition Products: Thermal decomposition:- Oxides of carbon. Sulphur compounds. Nitrogen compounds.

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.

Health Effects

On Eyes: Irritating. Vapour causes irritation.

On Skin: May cause dermatitis and serious irreversible skin disorders on repeated or prolonged contact. Heated material may cause burns.

By Inhalation: Low volatility makes inhalation unlikely at ambient temperatures. When heated emits fumes that irritate the respiratory system.

By Ingestion: Low order of acute toxicity. May cause nausea, vomiting and diarrhoea.

Chronic: Repeated and prolonged contact, allied to poor personal hygiene practices may result in skin cancer. This product contains quantities of polycyclic aromatic hydrocarbons (PCAs), some of which have been shown by experimental studies to induce skin cancer. The inhalation of vapour, mist or fumes over long periods may therefore be hazardous.

12: ECOLOGICAL INFORMATION

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

Mobility: Solid. Insoluble in water.

Persistence and Degradability: Not readily biodegradable.

Bioaccumulative Potential: Not known.

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 authorised waste contractor to a licensed site. Do not empty into drains, sewers or water courses.

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: bitumen
petroleum extract, heavy paraffinic distillate solvent

Symbol(s): T

Risk Phrases: May cause cancer.

Safety Phrases: Avoid exposure - obtain special instructions before use.
If you feel unwell, seek medical advice (show the label where possible).

EC Directives: Dangerous Substances Directive, 67/548/EEC and adaptations.
Dangerous Preparations Directive, 88/379/EEC.
Safety Data Sheets Directive, 91/155/EEC.
Carcinogens Directive, 90/394/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). Environmental Protection Act 1990.

Codes of Practice: Control of substances hazardous to health & control of carcinogenic substances (L5).
Waste Management. The Duty of Care.

Guidance Notes: Occupational skin diseases: health and safety precautions (EH 26).
Occupational exposure limits (EH 40).

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 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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