



SAFETY DATA SHEET

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

Product Name: **Fosroc PE20 RESIN**

Application: Base resin component of two part polyester resin grout

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: Polyester resin containing styrene

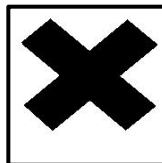
| Hazardous Ingredient(s) | Symbol | Risk Phrases | Other Information | % |
|-------------------------|--------|----------------|--|---------|
| styrene | Xn | R10, 20, 36/38 | Cas No: 100-42-5 Cas No: Cas No: Cas No: Cas No: | >25 <50 |

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.

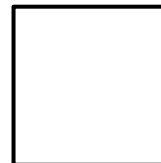
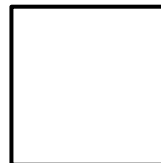
Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

R10: Flammable.
R20: Harmful by inhalation.
R36/38: Irritating to eyes and skin.



HARMFUL



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. Remove contaminated clothing immediately.

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

Ingestion: Wash out mouth with water. 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. Prior consent must be obtained from the local Water Company if discharged to sewer.

7: HANDLING AND STORAGE

Handling: Do not use near sources of ignition. Avoid breathing fumes. Avoid skin and eye contact. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage: Store in a cool place away from sources of heat and out of direct sunlight to avoid pressure build up. Store in conformity with local fire regulations.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:-

| Substance | 8 Hour TWA | STEL | Source/Other Information |
|-----------|---------------|---------------|--------------------------|
| styrene | 100 ppm (MEL) | 250 ppm (MEL) | EH40 |

Engineering Control Measures: Use only in well ventilated areas. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment: In case of insufficient ventilation wear suitable respiratory equipment. (Class 1 respirator CE marked to EN 140, with EN 141/143 Type A1 filter.) Impervious gloves (eg nitrile or neoprene). Safety glasses (Conforming to EN 166).

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Colour: Purple / Red

Odour: Pungent, characteristic of styrene.

pH(concentrate):

pH(working dilution):

Boiling Point/Range (°C): 145°C

Melting Point/Range (°C):

Flash Point (closed, °C): 29°C

Autoflammability (°C): 490°C

Viscosity (at 20°C):

Explosive Properties (%): Lower explosive limit (LEL): 1.1%, Upper explosive limit (UEL): 6.1%

Oxidising Properties: Not applicable

Vapour Pressure (kPa at 20°C): Not determined

Relative Density (at 20°C): 1.1

Water Solubility: Insoluble

Fat Solubility:

Partition Coefficient (n-octanol/water):

Other data:

10: STABILITY AND REACTIVITY

Stability: Stable if used as directed.

Conditions to Avoid: Temperatures (°C) above 35°C. Direct sunlight.

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

Hazardous Decomposition Products: Thermal decomposition:- Toxic fumes. Carbon monoxide.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on a knowledge of the toxicity of the product's components. Oral LD50, rat 5000mg/kg. Classified as an eye and skin irritant.

Health Effects

On Eyes: Irritating and may injure eye tissue if not removed promptly. Vapour may cause irritation.
On Skin: Irritation. Defats the skin.
By Inhalation: Harmful by inhalation. Vapours may cause headaches, dizziness and central nervous system depression.
By Ingestion: Severe irritation and symptoms similar to inhalation.
Chronic: Repeated and prolonged skin contact may lead to skin disorders
Other:

12: ECOLOGICAL INFORMATION

Environmental Assessment: 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. Insoluble in water
Persistence and Degradability: Not known. Expected to be 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 as special waste. Dispose of through an authorised waste contractor to a licensed site.
Used/Contaminated Product: Dispose of through an authorised waste contractor to a licensed site.
Packaging: Contains flammable residues, do not crush or incinerate. Must be disposed of through an authorised waste contractor.

14: TRANSPORT INFORMATION

UN Number: 1866
IMO: Class: 3.3 **Packing Group:** III **Marine Pollutant:** Yes
IATA/ICAO: Class: 3 **Packing Group:** III
ADR: Class: 3 **Item:** 31(c)
Transport Name: Resin Solution
Hazchem/Kemler Code: 3[Y] / 30

15: REGULATORY INFORMATION

Hazard Label Data:-

Named Ingredients: Styrene
UN Number: 1866
Symbol(s): Xn
Risk Phrases: R10: Flammable.
R20: Harmful by inhalation.
R36/38: Irritating to eyes and skin.

