

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 >25 <50

Cas No: Cas No: Cas No: Cas No:

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.

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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.

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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:

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.

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Safety Phrases: S23B: Do not breathe vapour.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical

advice.

S28: After contact with skin, wash immediately with plenty of soap and water.

S37/39: Wear suitable gloves and eye/face protection

EC Directives: Safety Data Sheets Directive, 91/155/EEC.

Dangerous Preparations Directive, 1999/45/EC.

Framework Waste Directive, 91/156/EEC

Statutory Instruments: Highly Flammable Liquids & Liquefied Petroleum Gases Regs. 1972 (SI 917)

The Special Waste Regulations 1996 (SI 972)

Consumer Protection Act 1987

Control of Substances Hazardous to Health Regs. 1999 (SI 3246)

Environmental Protection Act 1990

Environmental Protection (Duty of Care) Regs. 1991 (SI 2839).

Codes of Practice: Classification and labelling of dangerous substances for carriage by road in tankers, tank

containers & packages (L14)

Waste Management. The Duty of Care

Guidance Notes: The storage of highly flammable liquids (CS 2)

Occupational skin diseases: health and safety precautions (EH 26)

Occupational exposure limits (EH 40)

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: 03/05/2005 SDS Reference: P20 BASE

REVISION

Supersedes issue no: dated:

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

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SAFETY DATA SHEET

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

Product Name: FOSROC PE20 CATALYSED FILLER

Application: Filler 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: silica sands, inert fillers, benzoyl peroxide.

or ELINCS (European List of New Chemical Substances) or are exempt.

Hazardous Ingredient(s) Symbol Risk Phrases Other Information % benzoyl peroxide E,Xi R2, 36, 43 Cas No: 94-36-0 <2

Cas No: Cas No: Cas No:

Cas No:

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances)

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

No significant hazard

4: FIRST AID MEASURES

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

irritation persists.

Skin: Wash thoroughly with soap and water or suitable skin cleanser as soon as possible.

Inhalation: Remove from exposure - unlikely to occur.

Ingestion: Wash out mouth with water. Do NOT induce vomiting. Obtain medical attention.

5: FIRE FIGHTING MEASURES

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

Special Exposure Hazards: None.
Special Protective Equipment: None.

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: Gather into containers. Avoid the creation of dust in atmosphere.

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7: HANDLING AND STORAGE

Handling: Avoid breathing dust. Avoid skin and eye contact.

Storage: Store away from acids. Store away from alkalis. Keep containers dry and tightly closed.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:-

Substance 8 Hour TWA STEL Source/Other Information

Dusts EH40

total inhalable dust 10 mgm⁻³ -----

respirable dust 4 mgm⁻³

Engineering Control Measures: Use only in well ventilated 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.). Avoid skin and eye contact. Impervious gloves (eg PVC). Safety glasses (Conforming to

EN 166).

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder
Colour: Green
Odour: Odourless
pH(concentrate): Not applicable.

pH(working dilution):

Boiling Point/Range (°C): Not applicable.

Melting Point/Range (°C): Not applicable.

Flash Point (closed, °C): None.
Autoflammability (°C): >380°C

Viscosity (at 20°C):

Explosive Properties (%): Not applicable.
Oxidising Properties: Not determined.

Vapour Pressure (kPa at 20°C):

Relative Density (at 20°C): 1.4 - 1.7 (bulk)
Water Solubility: Insoluble.

Fat Solubility:

Partition Coefficient (n-

octanol/water):
Other data:

10: STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid: None known.

Materials to Avoid: Strong alkalis. Strong acids.

Hazardous Decomposition Products: Thermal decomposition:- 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.

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Health Effects

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

On Skin: Unlikely to irritate on brief or occasional exposure. Repeated or prolonged contact with abraded or

damaged skin may cause allergic skin reaction in susceptible people.

By Inhalation: Irritating to respiratory system.

By Ingestion: May cause irritation of mouth, throat and digestive tract.

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

Other: None known.

12: ECOLOGICAL INFORMATION

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

foreseen.

Mobility: Insoluble in water.

Persistence and Degradability: Expected to be readily biodegradable.

Bioaccumulative Potential: Not known.

Ecotoxicity: Not 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 in an approved manner.

Used/Contaminated Product: Dispose of through an authorised waste contractor to a licensed site.

Packaging: The method of disposal must be acceptable to the local authority.

14: TRANSPORT INFORMATION

This product is NOT classified as dangerous for transport.

UN Number:

IMO: Class: Packing Group: Marine Pollutant:

IATA/ICAO: Class: Packing Group:

ADR: Class: Item:

Transport Name:

Hazchem/Kemler Code:

15: REGULATORY INFORMATION

Hazard Label Data:-

This product is NOT classified as dangerous for supply in the UK.

Named Ingredients:

UN Number:

Symbol(s):

Risk Phrases:

Safety Phrases: S22: Do not breathe dust.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical

advice.

S37/39: Wear suitable gloves and eye/face protection

EC Directives: Dangerous Substances Directive, 67/548/EEC and adaptations.

Dangerous Preparations Directive, 1999/45/EC. Safety Data Sheets Directive, 91/155/EEC.

Statutory Instruments: Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regs. 1996 (SI

1092).

Environmental Protection (Duty of Care) Regs. 1991 (SI 2839).

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Codes of Practice: Classification and labelling of dangerous substances for carriage by road in tankers, tank

containers & packages (L14).

Waste Management. The Duty of Care.

Guidance Notes: Occupational exposure limits (EH 40).

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.

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Date Printed: 03/05/2005 SDS Reference: P20 FILLE

REVISION

Supersedes issue no: dated:

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