



SAFETY DATA SHEET

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

Product Name: **LOKFIX P25 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

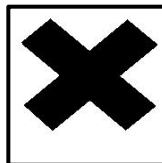
Hazardous Ingredient(s)	Symbol	Risk Phrases	Other Information	%
styrene	Xn	R10, 20, 36/38	Cas No: 100-42-5 Cas No: Cas No: Cas No: Cas No:	>25 <50

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.

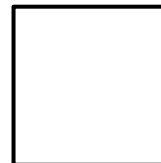
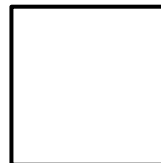
Refer to Section 8 for Occupational Exposure Limits.

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 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.
Safety Phrases: S23: Do not breathe vapour/spray
EC Directives: Safety Data Sheets Directive, 91/155/EEC.
Dangerous Preparations Directive, 88/379/EEC.
Framework Waste Directive, 91/156/EEC



SAFETY DATA SHEET

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

Product Name: **LOKFIX P25/S25 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.

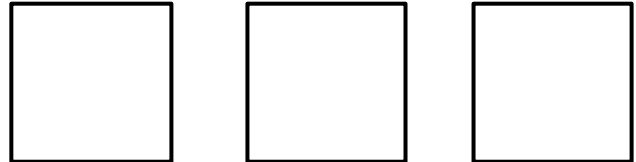
Hazardous Ingredient(s)	Symbol	Risk Phrases	Other Information	%
benzoyl peroxide	E,Xi	R2, 36, 43	Cas No: 94-36-0 Cas No: Cas No: Cas No: Cas No:	<2

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

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.

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
silica, amorphous: total inhalable dust	6 mgm ⁻³	-----	EH40
respirable dust	2.4 mgm ⁻³		
Dibenzoyl peroxide	5 mgm ⁻³	-----	EH40

Engineering Control Measures: Use only in well ventilated areas.

Personal Protective Equipment: Approved dust mask, conforming to EN 149. Nominal Protection Factor (NPF) to be determined.. 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.

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: Respirable dust, if inhaled over a prolonged period, constitute a health hazard. Inhalation of particles of free silica, in the respirable range, can give rise to fibrosis of the lungs.
Other:

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, 88/379/EEC.
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).

