

SAFETY DATA SHEET

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

Product Name: **FLAMEX ONE**

Application: One part low movement intumescent sealant.

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: acrylic copolymer, inorganic fillers.

This product contains ingredients classified as hazardous. However, they are NOT present in sufficient quantities to warrant classifying the product as hazardous.

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. 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: Irritant fumes.

Special Protective Equipment: Self-contained breathing apparatus.

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: Soak up with inert absorbent or contain and remove by best available means. Gather into containers.

7: HANDLING AND STORAGE

Handling: Avoid skin and eye contact.

Storage: Store in cool, dry area.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:- None assigned

Engineering Control Measures: No specific ventilation requirement noted.

Personal Protective Equipment: Avoid skin and eye contact. Impervious gloves (eg nitrile or neoprene). Safety glasses.

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Paste.
Colour:	White / Grey.
Odour:	Acrylic
Boiling Point/Range (°C):	Not applicable.
Flash Point (closed, °C):	None.
Autoflammability (°C):	Not applicable.
Explosive Properties (%):	Not applicable.
Oxidising Properties:	Not applicable.
Relative Density (at 20°C):	1.48
Water Solubility:	Insoluble.

10: STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Temperatures (°C) below 5.
Materials to Avoid:	None known.
Hazardous Decomposition Products:	Thermal decomposition may yield acrylic monomers.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on a knowledge of the toxicity of the product's components.
Oral LD50, rat >5000 mg/kg.

Health Effects

On Eyes:	May cause transient irritation.
On Skin:	Unlikely to irritate on brief or occasional exposure.
By Inhalation:	Low volatility makes inhalation unlikely at ambient temperatures.
By Ingestion:	Low order of acute toxicity. May cause irritation of mouth, throat and digestive tract.

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 known
Bioaccumulative Potential:	Not expected to be bioaccumulative
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. 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:-

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

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).
Control of Substances Hazardous to Health Regs. 1994 (SI 3246).
Environmental Protection (Duty of Care) Regs. 1991 (SI 2839).

Codes of Practice: Waste Management. The Duty of Care.

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.

Date Printed: 05/01/1999

SDS Reference: IN552/M1 FX1

REVISION

Supersedes issue no: 01 dated: 17.03.94

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



SAFETY DATA SHEET

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

Product Name: **FLAMEX TWO**

Application: Two part high movement intumescent sealant.

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: polysulphide polymer, chlorinated paraffin, inorganic fillers, antimony trioxide, manganese dioxide.

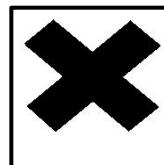
Hazardous Ingredient(s)	Symbol	Risk Phrases	Other Information	%
antimony trioxide	Xn	R40	Cas No: 1309-64-4	>2.5 <10
manganese dioxide	Xn	R20/22	Cas No: 1313-13-9	>10 <25
chlorinated paraffin C10-13	N	R50/53	Cas No: 85535-84-8	>2.5 <10
			Cas No:	
			Cas No:	

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

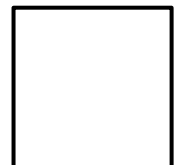
R20/22: Harmful by inhalation and if swallowed
R40: Possible risk of irreversible effects.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



HARMFUL



Dangerous for the Environment



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.

Inhalation: Remove from exposure.

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: Wear suitable protective clothing, gloves and eye/face protection

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: Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Wash hands thoroughly after handling this product.
Storage: Store between (°C) 5 and 30. Store out of direct sunlight. Keep away from foodstuffs and food containers

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:-

Substance	8 Hour TWA	STEL	Source/Other Information
manganese and compounds (as Mn)	5 mgm ⁻³		EH40
Antimony trioxide (as Sb)	0.5 mgm ⁻³ (MEL)		EH40

Engineering Control Measures: Use only in well ventilated areas.
Personal Protective Equipment: A high standard of personal hygiene is essential. Avoid skin and eye contact. Safety glasses (Conforming to EN 166). Impervious gloves (eg nitrile or neoprene). Change contaminated clothing and clean before re-use.

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Semi-solid (multi-layer paste).
Colour: Grey
Odour: Mercaptan odour.
pH(concentrate):
pH(working dilution):
Boiling Point/Range (°C):
Melting Point/Range (°C):
Flash Point (closed, °C): >100
Autoflammability (°C): None
Viscosity (at 20°C):
Explosive Properties (%):
Oxidising Properties: Not determined
Vapour Pressure (kPa at 20°C): Not determined
Relative Density (at 20°C): 1.65
Water Solubility: Insoluble
Fat Solubility:
Partition Coefficient (n-octanol/water):
Other data:

10: STABILITY AND REACTIVITY

Stability: Hazardous polymerisation will not occur.
Conditions to Avoid: Temperatures (°C) above 50.
Materials to Avoid: Strong oxidising agents. Strong acids.

Hazardous Decomposition Products: Thermal decomposition:- Irritant fumes. Chlorine compounds including hydrogen chloride. 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 <1000 mg/kg.

Health Effects

On Eyes: Causes transient irritation.
On Skin: Mildly irritating.
By Inhalation: Irritating to respiratory system.
By Ingestion: Harmful if swallowed. May cause nausea, vomiting and diarrhoea.
Chronic: Repeated and prolonged skin contact may lead to skin disorders.
Other: Antimony oxide is classified as a category 3 carcinogen.

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 not readily biodegradable.
Bioaccumulative Potential: Not known.
Ecotoxicity: Not ecotoxic to fish/daphnia/algae in cured state.

13: DISPOSAL CONSIDERATIONS

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.
Packaging: Must be disposed of through an authorised waste contractor.

14: TRANSPORT INFORMATION

UN Number: 3077
IMO: Class: 9 Packing Group: III Marine Pollutant: Yes
IATA/ICAO: Class: 9 Packing Group: III
ADR: Class: 9 Item: 12(c)
Transport Name: Environmentally hazardous substance, solid, NOS. (Chlorinated Paraffin C₁₀₋₁₃)
Hazchem/Kemler Code:

15: REGULATORY INFORMATION

Hazard Label Data:-

Named Ingredients: manganese dioxide
antimony trioxide
UN Number: 3077
Symbol(s): Xn, N
Risk Phrases: R20/22: Harmful by inhalation and if swallowed
R40: Possible risk of irreversible effects.
R22: Harmful if swallowed.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety Phrases: S13: Keep away from food, drink and animal feeding stuffs.
S24/25: Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39: Wear suitable protective clothing, 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.
Carcinogens Directive, 90/394/EEC.

Statutory Instruments: Health & Safety at Work, etc. Act 1974.
Environmental Protection Act 1990.
The Special Waste Regulations 1996 (SI 972).
Environmental Protection (Duty of Care) Regs. 1991 (SI 2839).

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

Guidance Notes: Occupational exposure limits (EH 40).

The above publications are available from HMSO

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Date Printed: 28/05/2002

SDS Reference: 3259/3260/3032

REVISION

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