



Safire Pressure Exerting Graphite Mastic

REVISION 1
ISSUE DATE January 2017

Section 1: Identification of the Substance/Mixture and of the Company

- 1.1 Product: Safire Pressure Exerting Graphite Mastic
- 1.2 Application: Sealing of gaps around service pipes, expansion joints, fire doors etc.
- 1.3 Product type: Gap sealant
- 1.4 Company/undertaking identification:

Fireus Ltd.
6 Thetis Road
Lune Industrial Estate
Lancaster
LA1 5QP
tel: 01524 388898
fax: 01524 383724

Email of competent person responsible for SDS:
info@fireus.co.uk

Emergency Tel.No. (office hours): 01524 388898

Section 2: Hazards Identification

- 2.1 Classification of the mixture:
2.1.1 Regulation EC 1272/2008

This product is not classified as hazardous according to regulation (EC) 1272/2008 (CLP)

- 2.2 Label elements:
2.2.1 Regulation EC 1272/2008

Signal word: None
Hazard statement: None

- 2.3 Other hazards

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Section 3: Composition information on ingredients

Ingredient	CAS No.	EC No.	REACH registration No.	Classification According to Reg. (EC) 1278/2008 (CLP)	% W/W
Carbon	12777-87-6	231-955-3	01-2119514421-54-xxxx	Not classified	15 – 25%
Clay cont. <10% respirable silica	N/A	934-756-6 (silica)	Not applicable	STOT RE 2 H373	5 – 10%
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	6846-50-0	229-934-9	01-2119451093-47-0000	H412	<5%

* for full text of hazard statements see section 16

Section 4: First Aid Measures

4.1 General:

In all cases of doubt or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Skin Contact: Wash skin thoroughly with soap and water or a recognised skin cleaner. DO NOT USE SOLVENT OR THINNERS. Seek medical attention if irritation persists.

Eye Contact: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes holding eyelids apart, and seek medical advice.

Ingestion: If accidentally swallowed wash mouth with water and give large volumes of water to drink. DO NOT induce vomiting. Seek medical attention.

Inhalation: N/A

4.2 Most important symptoms and effects:

Skin contact: Prolonged contact may cause redness, irritation and dry skin.

Eye contact: May cause irritation of the eye.

Ingestion: Possible discomfort.

Section 5: Fire Fighting Measures

The liquid product is 'non-flammable'.

5.1 Extinguishing Media: Foam, CO₂, powder, water spray/mist.

5.2 Special Hazards: above 200oC the product rapidly expands

5.3 Advice for firefighters: Do not allow run off from fire fighting to enter drains or water courses.



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Section 6: Accidental Release Measures

6.1 Personal precautions and protective equipment:
Avoid skin and eye contact. Wear personnel protective equipment

6.2 Environmental precautions:
Do not allow to enter drains or water courses.

6.3 Method for containment and clean up:
Contain and collect spillages and place in a suitable container for disposal in accordance with the waste regulations (see section 13).

Section 7: Handling and Storage

7.1 Precautions for safe handling:
Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited during use. For personal protection see Section 8.
The Manual Handling Operations Regulations may apply to the handling of containers/packages of this product. In order to calculate the weight of any pack size, multiply the volume in litres by the specific gravity value given in section 9. This will give the net weight of the product in kilograms.

7.2 Precautions for safe storage:
Keep containers closed when not in use.
Observe label precautions
Store between 5oC and 25oC in a dry well-ventilated place away from sources of heat.
Protect from frost.
Keep out of reach of children.
Store separately from oxidising agents and strongly acidic materials.

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Substance	Occupational Exposure Limits		Notations
	8 hr LTEL (1) ppm	15 min STEL(2) mgm-3	
Respirable Silicaa	0.1		
Carbon graphite	4		
Total dust	10		WEL

- (1) Long-term exposure limit - 8 hour time weighted average.
- (2) Short-term exposure limit - 15 mins time weighted average.
- (S) Occupational Exposure Standard (OES)
- (M) Maximum Exposure Limit (MEL)
- (WEL) Workplace Exposure Limits ® recommended by supplier

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8.2 Exposure Controls

Engineering Measures:

Provide adequate ventilation during application and drying.

Respiratory equipment:

If ventilation is insufficient suitable respiratory protective equipment must be worn.

Skin & Hand protection:

Wear suitable protective clothing and plastic or rubber gloves.

Eye protection:

Eye protection designed to protect against liquid splashes should be worn.

Hygiene measures:

When using do not eat drink or smoke. Wash hands before eating, drinking, smoking or using the toilet.

Section 9: Physical and Chemical Properties

Physical state	viscous paste
Odour	odourless
Flash point	> 100oC
Specific gravity	1.5-1.6 @ 20 oC
Solubility	miscible with water.
pH	7.5 – 8.5

Section 10: Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under normal temperature and storage conditions

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

See section 10.3

10.5 Incompatible materials

See section 10.3

10.6 Hazardous decomposition products

Oxides of carbon released under high temperature (>300oC)

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Section 11: Toxicological Information

11.1 Information on Toxicological effects:

There is no evidence of toxicological effects of the product

Ingestion:	May cause discomfort if swallowed. May cause stomach pain
Skin contact:	May be Irritating to skin
Eye contact:	Risk of irritation to eyes.
Sensitisation:	Not sensitising
STOT:	Not classified

Section 12: Ecological Information

12.1 Ecotoxicity

Not regarded as dangerous for the environment.
Not considered toxic to fish

12.2 Persistence and degradeability
The product is not biodegradeable.

12.3 Bio accumulative potential
The product is not bio accumulating

12.4 Mobility in soil
Not mobile

12.5 Results of PBT and vPvB assessment
Not classified as PBT/vPvB

12.6 Other adverse effects
None known

Section 13: Disposal Considerations

13.1 Waste treatment methods

Dispose of this material as special waste in accordance with local or national requirements.

Section 14: Transport Information

This product is not covered by International regulation on the transport of dangerous goods.

14.1	UN number:	Not applicable
14.2	Proper shipping name:	Not applicable
14.3	Transport hazard class:	Not applicable
14.4	Packing group:	Not applicable

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- 14.5 Environmental hazards: Not classed as Marine pollutant
- 14.6 Special precautions for users: Not applicable
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable

Proper shipping name:
The product is not classified as dangerous for carriage.

UN number
Hazard class:
Packing group:
Sub-hazard class:

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

Control of Substances Hazardous to Health Regulations 1999
Environment Act 1995
Management of Health and Safety at Work Regulations 1999
Personal Protective Equipment at Work Regulations 1992
Special Waste Regulations 1996 as amended

HEALTH AND SAFETY EXECUTIVE GUIDANCE NOTES

HS(G)37 An Introduction to Local Exhaust Ventilation
EH40 Occupational Exposure Limits
EH44 Dust: General Principles of Protection
HS(G)53 The Selection, Use and Maintenance of Respiratory Protective Equipment
HS(G)71 Storage of Packaged Dangerous Substances
HS(G)193 COSHH Essentials: easy steps to control chemicals
L23 Manual Handling Guidance on Regulations

BRITISH STANDARDS PUBLICATIONS

EN420: General Requirements for Gloves
EN166: Personal Eye Protection: Specifications
BS2092: Eye Protection for Industrial and Non-Industrial Users
BS4275: Recommendations for the Selection, Use and Maintenance of Respiratory Protective Equipment

15.2 Chemical safety assessment

Section 16: Other Information

Symbols and text of the H phrases in section 2 and 3:

STOT SE 2: Specific target organ toxicity – single exposure category 2
H373: May cause damage to lung through prolonged or repeated exposure by inhalation.



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The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of the (EC) Regulation 1272/2008 (CLP). The product should not be used for purposes other than those identified without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

This information contained in the safety data sheet is based on present knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular application.

FIREUS LIMITED
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