

SAFETY DATASHEET

FireMastic-HPE™

Issue Date: 30/8/2019

Review Date: 30/8/2024

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1. SUBSTANCE IDENTIFICATION


Product Name	FireMastic-HPE (Grey)
Product Code	FMHPE
Use/Description	High Pressure Exerting Intumescent Sealant

2. COMPOSITION / INFORMATION ON INGREDIENTS

Contains	Contains a plasticized acrylic polymer, fire retardant fillers, blowing agents and minor additives. No component labelled as dangerous under EEC directives criteria.
Hazardous Components	No hazardous components

CARBON CRYSTALLINE GRAPHITE, INTERCALATED – REACH registered number(s): 01-2119514421				
EINECS	CAS	PBT/WEL	CLP Classification	Percent
.	7782-42-5	Substance with a community workplace exposure limit	.	10-30%
ATH – REACH registered number(s): 01-2119529246-39-xxxx				
244-492-7	21645-51-2	Substance with a community workplace exposure limit	.	10-30%
CELLULOSE FIBRE				
.	.	Substance with a community workplace exposure limit	.	1-10%
ALKYLPHENOL POLYPROPYLENEGLYCOLETHER				
.	9024-15-7	.	Acute Tox 4: H302; Eye Dam. 1: H318; Aquatic Chronic 2: H411	1-10%

3. HAZARD IDENTIFICATION

Main Hazards	Causes serious eye irritation. Harmful to aquatic life with long lasting Effects. H319: Causes serious eye irritation H412: Harmful to aquatic life with long lasting effects
Hazard Pictograms	GHS07: Exclamation mark 
Signal Words	Warning
Classification under CLP	Aquatic Chronic 3: H412; Eye Irrit. 2: H319
Label Elements	This product has no label elements
Precautionary statements	P264: Wash hands thoroughly after handling P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical advice/attention. P501: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
PBT	This product is not identified as a PBT /vPvB substance

4. FIRST AID MEASURES (SYMPTOMS)

Skin Contact	Irritation and redness may occur at point of contact.
Eye Contact	Pain, redness and/or severe pain may occur. Eyes may water profusely. Vision may become blurred. May cause permanent damage.
Ingestion	May be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
Inhalation	Not applicable

5. FIRST AID MEASURES (ACTION)

Skin Contact	Wash immediately with plenty of soap and water
Eye Contact	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
Ingestion	Wash out mouth with water
Inhalation	Not applicable

6. FIRE FIGHTING MEASURES

Extinguishing Media	Suitable extinguishing media for the surrounding fire should be used
Special Hazards	In the event of combustion Carbon Dioxide (CO ₂) and Carbon Monoxide (CO) may be released. Do not inhale these gases.

7. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ensure adequate ventilation, wear protective clothing
Environmental Precautions	Do not discharge into drains or rivers
Clean-up Procedures	Wash the spillage site with large amounts of water

8. HANDLING & STORAGE

Handling Requirements	No special requirements
Storage Conditions	Store in a cool dry, well-ventilated area. Store in original containers between 5°C and 25°C. Storage outside these parameters will dramatically reduce shelf life and invalidates all product warranties.
Suitable Packaging	Must only be kept in original packaging

9. EXPOSURE CONTROL & PERSONAL PROTECTION

Hazard ingredients				
CARBON CRYSTALLINE GRAPHITE, INTERCALATED				
WORKPLACE EXPOSURE LIMITS:			Respirable dust	
State	8 Hour TWA	15 min. STEL	8 Hour TWA	15min. STEL
EU	-	-	4mg /m ³	-
ATH				
UK	-	-	4 mg/m ³	-
CELLULOSE FIBRE				
UK	-	-	4 mg	-

Exposure Limit Values	Ensure there is sufficient ventilation of the area
Respiratory Protection	Respiratory protection not required
Hand Protection	Protective gloves
Eye Protection	Tightly fitting safety goggles. Ensure eye bath is to hand.
Skin Protection	Protective clothing

10. PHYSICAL & CHEMICAL PROPERTIES

State	Paste
Colour	Grey
Odour	Barely perceptible odour
Evaporation Rate	Slow
Oxidising	Non-oxidising (by EC criteria)
Solubility in Water	Miscible
Decomposition Temp	Ca. 180°C
Density	Ca. 1.3-1.4g/cm ³
Boiling Point / Range °C	Not determined
Vapour Pressure	As water
PH	5-9

11. STABILITY & REACTIVITY

Stability	Stable under normal conditions
Conditions to Avoid	Heat and direct sunlight
Materials to Avoid	Strong oxidising agents. Strong acids.
Haz. Decomp. Products	In combustion emits toxic fumes of carbon dioxide/carbon monoxide

12. TOXICOLOGICAL INFORMATION

Hazardous Ingredients:				
ATH				
Inhalation	RAT	LC50	7.6	Mg/l
Oral	RAT	-	2000	Mg/kg
Relevant hazards for product:				
Hazard	Route	Basis		
Serious eye damage / irritation	OPT	Hazardous: Calculated		

Skin Contact	There may be irritation and redness at the site of contact.
Eye Contact	There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.
Ingestion	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
Inhalation	Not applicable
Delayed / immediate effects	Delayed effects can be expected after long term exposure

13. ECOLOGICAL INFORMATION

Toxicity:

Hazardous Ingredients:			
ATH			
Atlantic Salmon	96H EC50	100	Mg/l
Daphnia magna	48H EC50	100	Mg/l
Green Alga (selenastrum capricornutum)	72H EC50	100	Mg/l
Salmo Trutta	LC50	100	Mg/l

Persistence and Degradability	Not established
Bioaccumulative Potential	No bioaccumulative potential
Mobility	Readily absorbed into soil
PBT Identification	This product is not identified as a PBT/vPvB substance
Other Adverse Effects	Negligible ecotoxicity

14. DISPOSAL CONSIDERATIONS

Disposal Operations	D1 tipping above or underground (eg landfill etc) according to local or national legislation
Disposal of Packaging	Dispose of as normal industrial waste according to local or national legislation

15. TRANSPORT HAZARDS

Transport Hazards	No regulations apply for the transport of this material Not classified as hazardous for road, rail, sea or air transport
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16. REGULATORY INFORMATION

Hazard Symbols	No significant hazard
Note	The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

17. ADDITIONAL INFORMATION

Risk phrases used in s.2	R10: Flammable; R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment; R65: Harmful – may cause lung damage if swallowed
Legal Disclaimer	The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

18. SAFETY CAUTION

FireMastic-HPE contains graphite to provide its high performance intumescence, it is therefore highly conductive of electricity. Extreme caution is needed to ensure FireMastic-HPE does not come into contact with live current or electrically charged equipment as electric shock may occur. When using FireMastic-HPE to firestop around power cables, check to make sure that the cables' insulation is free from defects.

For more information on this please contact BOSS Fire & Safety Technical Services on 1300 502 677.

LIMITATION

BOSS Fire & Safety Pty Ltd has provided the above information in good faith and to the best of its knowledge. Some of this information is based upon the SDS and technical information provided by other parties or manufacturers. This information was correct at the time of publication, should any data come to BOSS Fire & Safety's attention relating to the safety or handling of the product described, BOSS Fire & Safety will amend this report. It is the users responsibility to ensure they have the current publication.

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FURTHER INFORMATION

To learn more about FireMastic-HPE, see the Technical Data Sheet available at bossfire.com

Further information can be provided by contacting BOSS Fire & Safety on:

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