

**SAFETY DATASHEET**

# FireMastic-HPE™

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**1. SUBSTANCE IDENTIFICATION**

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

**2. COMPOSITION / INFORMATION ON INGREDIENTS**


<b>Contains</b>	Contains a plasticized acrylic polymer, fire retardant fillers, blowing agents and minor additives. No component labelled as dangerous under EEC directives criteria.
<b>Hazardous Components</b>	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%



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### 3. HAZARD IDENTIFICATION

<b>Main Hazards</b>	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
<b>Hazard Pictograms</b>	GHS07: Exclamation mark 
<b>Signal Words</b>	Warning
<b>Classification under CLP</b>	Aquatic Chronic 3: H412; Eye Irrit. 2: H319
<b>Label Elements</b>	This product has no label elements
<b>Precautionary statements</b>	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.
<b>PBT</b>	This product is not identified as a PBT /vPvB substance

### 4. FIRST AID MEASURES (SYMPTOMS)

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

### 5. FIRST AID MEASURES (ACTION)

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

## 6. FIRE FIGHTING MEASURES

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

## 7. ACCIDENTAL RELEASE MEASURES

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

## 8. HANDLING & STORAGE

<b>Handling Requirements</b>	No special requirements
<b>Storage Conditions</b>	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.
<b>Suitable Packaging</b>	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 <sup>3</sup>	-
ATH				
UK	-	-	4 mg/m <sup>3</sup>	-
CELLULOSE FIBRE				
UK	-	-	4 mg	-

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

## 10. PHYSICAL & CHEMICAL PROPERTIES

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

## 11. STABILITY & REACTIVITY

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

## 12. TOXICOLOGICAL INFORMATION

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

<b>Skin Contact</b>	There may be irritation and redness at the site of contact.
<b>Eye Contact</b>	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.
<b>Ingestion</b>	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
<b>Inhalation</b>	Not applicable
<b>Delayed / immediate effects</b>	Delayed effects can be expected after long term exposure

### 13. ECOLOGICAL INFORMATION

**Toxicity:**

<b>Hazardous Ingredients:</b>			
<b>ATH</b>			
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

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

### 14. DISPOSAL CONSIDERATIONS

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

### 15. TRANSPORT HAZARDS

<b>Transport Hazards</b>	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

<b>Hazard Symbols</b>	No significant hazard
<b>Note</b>	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

<b>Risk phrases used in s.2</b>	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
<b>Legal Disclaimer</b>	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](http://bossfire.com)

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

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