




**MATERIAL SAFETY DATA SHEET FOR
BOSS FIRE CEMENT – 84612855, 84612866, 84612877 & 84612899**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product type:	Fire Cement
Trade Name:	BOSS Fire Cement
Supplier of product:	The BSS Group Ltd
Registered Office:	Travis Perkins PLC, Lodge Way House, Lodge Way, Harlestone Road, Northampton NN5 7UG.
Telephone/Fax Numbers:	0116 245 5500 / 0116 218 2214
E-mail Address	reception@bssgroup.com
Web site Address	www.bssindustrial.co.uk

2. HAZARD IDENTIFICATION

Classification of the substance or mixture	
Classification according to regulation (EC) No 1272/2008 [CLP]:	See SECTION 16.
Classification according to Directive 1999/45/EC	Irritant, Xi; R38-41
Label elements	
Classification according to regulation (EC) No 1272/2008 [CLP]	See SECTION 16.
Classification according to Directive 1999/45/EC:	<p>Xi</p>  <p>Irritant</p> <p>R Phrases; R38 Irritating to skin R41 Risk of serious damage to eyes</p> <p>S Phrases; S2 Keep out of reach of children S24 Avoid contact with skin 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</p>



3. COMPOSITION/INFORMATION ON INGREDIENTS.

Mixtures						
Description of mixture:		Homogeneous mixture of inorganic fillers and water based thermosetting resins				
Hazardous ingredients:						
Name:	CAS No.	EC No.	REACH Registration No.	% (weight)	Classification according to 67/548/EEC	Classification according to Regulation (EC) No 1278/2008 (CLP)
Silicic acid, sodium salt (1.6<MR<=2.6)	1344-09-8	215-687-4	01-2119448725- 31-xxxx	>3 -<10	Xi; R41, R37/38	Eye Dam. 1, H318 Skin Irrit 2, H315 STOT SE 3, H335
Additional Information:		For full text of H-statements and R-phrases: SEE section 16				

4. FIRST AID MEASURES

Following inhalation:	Move affected person away from contaminated area and into the fresh air. If symptoms persist, seek medical advice.
Following skin contact:	Remove contamination and wash affected area thoroughly with soap and water.
Following eye contact:	Immediately irrigate eye thoroughly with eye wash solution or clean water for at least 20 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Medical attention must be obtained after the first aid treatment has been given.
Following ingestion:	If confined to the mouth, do not swallow; wash out mouth with water. If swallowed, drink plenty of water (at least 300ml) and seek medical advice showing the container /label /safety data sheet. Do not induce vomiting.
Most important symptoms and effects, both acute and delayed:	There is risk of serious damage to eyes. Skin contact may defat and dry skin leading to possible irritation and dermatitis due to alkaline nature of the material.
Indication of any immediate medical attention and special treatment needed:	No data available.

5. FIRE FIGHTING MEASURES

Extinguishing media	
Suitable extinguishing media:	Carbon dioxide, foam, dry powder or fine water spray. Water can be used to cool containers exposed to fire.
Unsuitable extinguishing media:	None known
Special hazards arising from the substance or mixture	
Hazardous combustion products:	None established
Advice for firefighters	A self-contained respirator and protective clothing should be worn. Keep containers cool with water spray until well after fire is out. Determine the need to evacuate or isolate the area according to your local emergency plan.



6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Avoid contact with skin and eyes. Do not breathe vapours and ventilate the area. Wear suitable protective equipment before clean up.
For non-emergency personnel	
Protective equipment:	Avoid contact with skin and eyes. Do not breathe vapours and ventilate the area.
Emergency procedures:	Wear suitable protective equipment before clean up.
Environmental precautions:	Prevent material from entering the surface waters and drains
Methods and material for containment and cleaning up	
For containment:	Scrape up and place in a container fitted with a lid. Dispose of in accordance with local regulations
For cleaning up:	Scrape up and place in a container fitted with a lid. Dispose of in accordance with local regulations. The spilled product produces and extremely slippery surface.
Other information:	No information available
Reference to other sections:	See SECTIONS 8 and 13

7. HANDLING AND STORAGE:

Precautions for safe handling:	
Measures to prevent fire:	No special measures required
Measures to prevent aerosol and dust generation:	No special measures required
Measures to protect environment:	Prevent material from entering surface waters and drains
Conditions for safe storage, including and incompatibilities:	Do not store with oxidizing agents. Keep container closed and away from moisture. Protect from frost.
Specific end use(s):	Trowel or knife applied cement in a bucket for use as a joint gap filler to act as a smoke tight seal.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:								
Maximum airborne concentrations at the workplace:			Silicic acid, sodium salt; No Occupational Exposure limit assigned. The exposure limit below is recommended by analogy with sodium hydroxide.					
Name		CAS No.		Type		Mg/m³		Ppm
Silicic acid		1344-09-08		15 min TWA		2		-
Derived No-Effect Level (DNEL); Silicic acid								
	Workers				Consumers			
Route of exposure	Acute effects local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effects local	Acute effects systemic	Chronic effects local	Chronis effects systemic
Oral	-	-	-	-	-	-	-	0.80mg/kg
Inhalation	-	-	-	5.61mg/m³	-	-	-	1.38mg/m³
Dermal	-	-	-	1.59mg/kg	-	-	-	0.80mg/kg



8. EXPOSURE CONTROLS/PERSONAL PROTECTION (cont.)

Predicted No Effect Concentration (PNEC); Silicic acid	
Environmental protection target	PNEC Value
Fresh water:	7.5mg/l
Freshwater sediments:	1mg/l
Marine water:	7.5mg/l
Marine sediments:	Not available
Food chain:	Not available
Microorganisms:	Not available
Soil (agricultural):	Not available
Sewage treatment plant:	348mg/l
Exposure Controls	
Appropriate engineering controls:	Not applicable
Personal protection equipment	
Eye face protection:	Safety glasses/suitable eye protection should be worn.
Skin protection:	Avoid contact with skin. Chemical resistant gloves should be worn where contact is likely to occur.
Respiratory protection:	General ventilation is recommended
Thermal hazards:	None known
Environmental exposure controls:	Refer to SECTIONS 6 & 12

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties			
Appearance:	Stiff paste	Vapour pressure:	No data available
Odour:	None	Vapour density:	No data available
Odour Threshold:	n/a	Relative density:	2.0g/cm ³
pH:	9-11	Solubility(ies):	Miscible in water
Melting Point/Freezing Point:	No data available	Partition coefficient:N-octanol/water:	No data available
Initial boiling point and boiling range:	No data available	Auto-ignition temperature:	No data available
Flash point:	No data available	Decomposition temperature:	No data available
Evaporation rate:	No data available	Viscosity:	No data available
Flammability (solid, gas):	No data available	Explosive properties:	No data available
Upper/lower flammability or explosive limits:	No data available	Oxidising properties:	No data available
Other information:	No data available		



10. STABILITY AND REACTIVITY

Reactivity:	If stored and handled in accordance with standard industrial practices no hazardous reactions are known.
Chemical stability:	Stable at room temperature
Possibility of Hazardous Reactions:	Avoid contact with acids, strong oxidizing agents, strong reducing agents, aldehydes, inorganic nitrates
Conditions to Avoid:	No data available
Incompatible Materials:	Avoid contact with acids, strong oxidizing agents, strong reducing agents, aldehydes, inorganic nitrates
Hazardous decomposition products:	During combustion Carbon Monoxide (CO) and Carbon Dioxide (CO ₂) will be generated.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Not applicable
Irritation:	Prolonged contact may defat/dry the skin leading to possible irritation and dermatitis
Corrosivity:	Caustic/Alkaline
Sensitisation:	Not applicable
Repeated dose toxicity:	Not applicable
Carcinogenicity:	Not applicable
Mutagenicity:	Not applicable
Toxicity for reproduction:	Not applicable
Further toxicological information:	No further data available

12. ECOLOGICAL INFORMATION

Toxicity:	Aquatic and terrestrial ecotoxicity unknown. Product should not be allowed to enter drains/watercourses
Persistence and degradability:	Contains biodegradable and non-biodegradable components
Bioaccumulative potential:	No potential for bioaccumulation
Mobility in soil:	Mobility in the natural environment is likely to be very low
Results of PBT and vPvB testing:	Not classified as PBT or vPvB
Other adverse effects:	None known
Additional information:	None known



13. DISPOSAL CONSIDERATIONS

Waste treatment methods:	Dispose of in accordance with local regulations. Do not empty product into drains. According to the European catalogue, waste codes are not product specific, but application specific. The user should assign waste codes, preferably in discussion with the waste disposal authorities.
Product/packaging disposal: Waste codes/waste designation according to LoW:	Dispose of in accordance with local regulations. Do not empty product into drains. According to the European catalogue, waste codes are not product specific, but application specific. The user should assign waste codes, preferably in discussion with the waste disposal authorities.
Waste treatment-relevant information:	No Data available
Sewage disposal-relevant information:	No Data available
Other disposal recommendations:	No Data available

14. TRANSPORT INFORMATION

	Road ADR	Railway RID	Sea – IMDG Code	Air – ICAO –TI / IATA-DGR
UN Number	Not applicable	Not applicable	Not applicable	Not applicable
UN proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
Packing Group	Not applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	Not applicable	Not applicable	Not applicable	Not applicable
Special precautions for user	Not applicable	Not applicable	Not applicable	Not applicable
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable	Not applicable	Not applicable	Not applicable

15. REGULATORY INFORMATION

Safety, health and environmental regulations /legislation specific for the substance or mixture:	No data available
Chemical Safety Assessment	No data available

16. OTHER INFORMATION

Classification according to regulation (EC) No 1272/2008 (CLP).

Eye Damage. Category 1: H318

Label elements according to regulation (EC) No 1272/2008 (CLP).



Signal word; **DANGER**.

Hazard statements;

H318 Causes serious eye damage.

Precautionary Statements- Prevention;

P280 Wear eye protection/face protection/gloves

Precautionary Statements - Response;

P305+P351+P3381F IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician.

Abbreviations / Acronyms used:

CLP- Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS# - Chemical Abstracts Service number.

PBT- Persistent, Bioaccumulative and Toxic substance.

VPvB - Very Persistent and Very Bioaccumulative.

UN - United Nations.

REACH- Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

Relevant R-phrases and/or H-statements (number and full text):

According to Regulation (EC) No 1278/2008 (CLP/ GHS);

H315 Causes skin irritation

H318 Causes serious eye damage

H335 May cause respiratory irritation

P280 Wear eye protection/face protection/gloves

P305 + P351 + P3381F IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician.

According to 67/548/EEC;

R37/38; Irritating to respiratory system and skin

R38; Irritating to skin

R41; risk of serious damage to eyes

S2 Keep out of reach of children

S24 Avoid contact with skin

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



16. OTHER INFORMATION (cont.)

This Product Safety Data Sheet was prepared in compliance with article 31 and Annex II of the EU REACH regulation as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

This product should only be used as stated in Hodgson literature. It is the responsibility of the persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose of or in any way come in to contact with the product. If the recipient subsequently produces a formulation containing the Hodgson product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Hodgson Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with article 31 and Annex II of the EU REACH regulation.

All information and instructions provided in the Product Safety Data Sheet are based on the current state of scientific and technical knowledge at the date indicated on the present Product Safety Data Sheet. Hodgson shall not be held responsible for any defect in the product covered by this Product Safety Data Sheet, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

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