

MATERIAL SAFETY DATA SHEET FOR BOSS FIRE CEMENT



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product type:	Fire Cement
Trade Name:	BOSS Fire Cement
Supplier of product:	The BSS Group plc
Registered Office:	Fleet House, Lee Circle, Leicester, LE1 3QQ
Telephone/Fax Numbers:	0116 262 3232 / 0116 253 1343
E-mail Address	reception@bssgroup.com
Web site Address	www.bss-group.co.uk

2. HAZARD IDENTIFICATION

Xi Irritant	
Contains:	Sodium Silicate an alkaline solution. Irritating to eyes
Ground Silica Sand is a flour, R20 Harmful by inhalation and R48 Danger of serious damage to health by prolonged exposure due to dust containing respirable silica SiO ₂ . There is no release of respirable silica in the form the product is supplied.	

3. COMPOSITION/INFORMATION ON INGREDIENTS.

The products are a basic preparation of silica sand and clay combined with various minor chemical additives.				
Main Constituents:	CAS No.	%	EINECS No.:	Risk Phrases:
Alkaline Sodium Silicate	1344-09-8	<10%		R41, R38
Clay (Kaolin)	310-127-6		310-127-6	
Ground Silica Sand	14808-60-7	>25%		R20, R48
Sand	14808-60-7			

4. FIRST AID MEASURES

Eye Contact:	Wash eye immediately with plenty of clean water for at least 10 minutes and seek medical advice without delay
Skin Contact:	Wash the affected area with soap and water If irritation or other symptoms occur seek medical advice
Inhalation:	If irritation occurs move to fresh air
Ingestion:	Do not induce vomiting, wash out mouth and drink copious quantities of water. Seek medical advice.

5. FIRE FIGHTING MEASURES

Product is not flammable and will not facilitate combustion with other materials
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6. ACCIDENTAL RELEASE MEASURES

Wear suitable protective equipment
Collect in suitable containers for disposal
Avoid contamination of drains and watercourses

7. HANDLING AND STORAGE:

Pots should be stacked in a stable manner
Avoid contact with eyes

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Maximum Exposure Limit (MEL) for Silica Flour $\text{SiO}_2 = 0.3\text{mg}/\text{m}^3$ 8 hour time weighted average.

Eye Protection:	Dust proof goggles should be worn when there is a chance of the product entering the eye
Skin Protection:	Protective clothing must be worn that ensures the product does not come into prolonged contact with the skin
Respiratory Protection:	Inhalation of dust should be avoided Respiratory protection i.e. dust mask should be worn if airborne dust is present in quantities likely to exceed the Maximum Exposure Limit or Occupational Exposure Standard
Ingestion:	Avoid ingestion by taking normal hygienic precautions

9. PHYSICAL AND CHEMICAL PROPERTIES

Material is supplied in a moist condition and is grey in colour

10. STABILITY AND REACTIVITY

Stable

11. TOXICOLOGICAL INFORMATION

Eye Contact:	Cement is a severe eye irritant. Mild exposure can cause soreness. Gross exposure of untreated mild exposure can lead to chemical burning and ulceration of the eye
Skin Contact:	Irritating to skin
Ingestion:	May result in irritation to the gastro intestinal tract
Inhalation:	Inhalation of the product in the form supplied is unlikely to have any effect but during wrecking operations respirable silica may be released. The respirable percentage of SiO_2 available to inhale will be dependant on prevailing conditions. Ensure the Maximum Exposure Limit is not exceeded.

12. ECOLOGICAL INFORMATION

The LC50 aquatic toxicity rating has not been determined.
The addition of cement to water will cause the pH to rise and may therefore be toxic to aquatic life in some circumstances.

13. DISPOSAL CONSIDERATIONS

Empty containers of surplus cement can be disposed of at a site authorized to accept builders waste. References should be made to applicable local and national regulations.

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14. TRANSPORT INFORMATION

Not classified as hazardous for transportation purposes

15. REGULATORY INFORMATION

Chemical Hazard Information & Packaging for Supply Regulations 1994	
Chemical Hazard Information & Packaging for Supply Amendment Regulations 1997	
Classification:	Xi: Irritant
Risk Phrases:	Irritating to eyes
Safety Phrases:	Avoid contact with eyes and prolonged skin contact In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice Keep out of reach of children

16. OTHER INFORMATION

Health & Safety At Work Etc act 1974
Control of Substances Hazardous to Health regulations 1994
Control of Substances hazardous to Health amendment regulation 1996 &1997
Environmental Protection Special Waste Regulations 1996
HSE Occupational Exposure Limits EH40/98
HSE Silica Dust and You ISBN 0717614484

This product safety sheet follows the requirements of 91/155/EEC as amended by directive 93/112/EC
The information is provided for making safety assessments and is not a sales specification or indication of suitability for a particular use.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.