



SAFETY DATA SHEET

1-Identification of the Substance/Preparation and of the Company.

Product Name: DURABOND Fire Cement.

Description: Ready Mixed Fire Cement

Manufacturer: Purimachos Limited,
Waterloo Road,
Bristol,
BS2 0PG

Tel: 0044 117 9554361

Fax: 0044 117 9350844

Supplier: McLoughlins RS,
Unit 5,
Northern Cross Business Park,
Finglas,
Dublin 11.

Tel: 00353 1 8239200

Fax: 00353 1 8239222

2 - Composition /Information on Ingredients

The products are a basic preparation of silica sand and clay combined with various minor chemical additives.

Main Constituents:

Alkaline Sodium Silicate CAS N°1344-09-8 <10% R41, R38.

Clay (Kaolin) EINECS N° 310-127-6

Ground Silica Sand CAS N° 14808-60-7 >25% R20, R48

Sand. CAS N° 14808-60-7

3 - 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 SiO₂. **There is no release of respirable silica in the form the product is supplied.**

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.

Polypropylene bucket will support the spread of fire - Recommended extinguishers – Dry powder; Foam, CO2

6 - Accidental Release Measures.

Scrape spillages into a waste container and wash remaining residues away with warm soapy water and mark container for disposal in accordance with Local Authority regulations. Consult protective Equipment section for advice when handling spillages. Do not allow spilt residues to dry & harden. Avoid contamination of drains and water courses.

7 - Handling and Storage.

Pots should be stacked in a safe and stable manner.

Avoid contact with eyes.

8 - Exposure Controls/Personal Protection.

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

Eye Protection

Dust proof goggles should be worn when there is a chance of product entering the eye.

Skin Protection

Wear overalls, PVC gloves and safety boots when applying cement.

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.

physical state - soft moist grey putty

odour - n/a

pH - 11

boiling point - n/a

flash point - n/a

flammability - n/a

explosive properties - n/a

oxidising properties - n/a

vapour pressure - n/a

bulk density – 2000kg/m³

solubility – partially soluble in water

10 - Stability and Reactivity.

Stable.

11 - Toxicological Information.**Eye contact**

Cement is a severe eye irritant. Mild exposure can cause soreness. Gross exposure or 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 intestine tract.

Inhalation

Inhalation of the product in the form supplied is unlikely to have any effect but during wrecking operations respirable silica maybe released. The respirable percentage of SiO₂ 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 or surplus cement can be disposed of at a site authorised to accept builders waste. Reference should be made to applicable local and national regulations.

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 the reach of children.

16- Other Information.

Revision No.2 – (15-1-04)

Health & Safety At Work Etc act 1974.

Control of Substances Hazardous to Health regulations 1994.

Control of Substances Hazardous to Health amendment regulations 1996 & 1997.

Environmental Protection Special Waste Regulations 1996.

HSE Occupational Exposure Limits EH40/98.

HSE Silica Dust and You ISBN 0717614484.

This product safety data 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.