

# **MATERIAL SAFETY DATA SHEET**

## **DUROSIL DR11/DR6 AGGREGATE**

### **1. Identification of the Product and Company**

Product Name	Durosil DR11 or DR6 aggregate.
Intended Use	Acid Resistant Concrete and Mortar
Company	Actchem Inc Ltd PO Box 152 Neston CH33 9DJ
Email	contact@durosilproducts.co.uk

### **2. Information on Ingredients**

Contains graded silica sands and flours, quartz fractions and fluorosilicates.

### **3. Hazards Identification**

Harmful by inhalation, skin contact and by ingestion

### **4. First Aid Measures**

Eye Contact:	Rinse with water and seek medical attention at once
Inhalation:	Rest in clean, fresh air.
Ingestion:	Seek medical attention if feeling unwell. Symptoms may occur up to 48 hours after exposure
Skin Contact:	Dust off excess carefully, and wash with soap and copious amounts of water

### **5 Fire Fighting Measures**

Extinguishing Media: Use media appropriate to surrounding fire.

Exposure Hazard: Not Flammable, but emits toxic fumes if involved in fire

## 6. Accidental Release Measures

Avoid contact with eyes, skin and clothing. Prevent contamination of drains and watercourses. Notify the relevant authorities in this event,

Method of Disposal: Cover residue with soil or dry sand and mix well. Shovel in to bags for disposal avoiding excessive dusting. See Section 13. Wash spillage site with copious amounts of water.

## 7 Handling

Handling: Harmful. Wear gloves, eye protection and dust mask

Storage: Keep bags closed and store in a cool dry place away from children, food and drink, and animals and their feed.

## 8. Technical Controls/ Personal Protection

Technical Protective Measure- Avoid raising dust

Exposure Limit- TWA 35mg/m<sup>3</sup>

Respiratory Protection	Wear dust mask.
Hand Protection	Wear PVC gloves
Eye Protection	Wear goggles
Skin Protection	Wear thick overalls and closed footwear. Wash clothing frequently and replace contaminated work clothes

## 9. Physical and Chemical Properties

Appearance	Grey Powder	Melting Point	N/A
Odour	Nil	Boiling Point	N/A
Density	App 1.3	Oxidising Properties	Nil
Flashpoint	N/A	Autoflammability	Nil
Ignition	N/A	Solubility	Negligible
PH	N/A	Vapour Pressure	N/A
Viscosity	N/A	Partition Coefficient	Nil
Explosive Properties	Nil		

## 10. Stability and Reactivity

Stable

Thermal Decomposition : At 500° C evolves fluorine gas.

Conditions to avoid: Heating in Fire  
Hazardous Decomposition Products- Fluorine Gas, toxic and corrosive

### **11. Toxicological Information**

LD 50 Acute Oral Toxicity: No data  
Eye Irritation tested on Rabbits: No data  
Skin Irritation & Reactivity  
tested on Rabbits: No data

### **12. Ecological Information**

Prevent contamination of soil, drains and watercourses.

### **13. Disposal**

Do not wash in to drains or watercourses.  
Dispose of only via an approved waste disposal contractor

### **14. Transport Information**

Not classified as hazardous for transport.

### **15. Regulatory Information**

Symbol: Xn Mild Irritant.  
Contains sodium or potassium fluorosilicate and ground silica.

Risk Phrase: R22

Safety Phrases: S2  
S13  
S24/25

### **16. Other Information**

For use with Durosil DR11 or DR6 solution to produce an acid resistant concrete (DR11), or mortar, (DR6).