



**BALAJI GROUP**  
QUALITY WITHOUT COMPROMISE,  
THAT'S OUR PROMISE.



## **MATERIAL SAFETY DATA SHEET (MSDS) BALAJI SILICA SAND (QUARTZITE)**

### **1. DESCRIPTION OF MATERIAL**

Name: Silicon Di Oxide (SiO<sub>2</sub>)  
Product Name: Silica Sand  
Normal State: Solid  
Normal Form: Granular  
Chemical Family: Silicate

|                                |                    |
|--------------------------------|--------------------|
| SiO <sub>2</sub>               | 98.00% Min.        |
| Fe <sub>2</sub> O <sub>3</sub> | <b>0.05% Max.</b>  |
| Al <sub>2</sub> O <sub>3</sub> | <b>0.562% Max.</b> |
| CaO                            | <b>0.036%</b>      |
| MgO                            | <b>0.0375%</b>     |

**CAS Number: 014808 – 60 – 72.**

### **2. FIRE EXPLOSION AND REACTIVE DATA**

Flammability: Non – Flammable  
Explosivity: Non – Explosive  
Reactivity: Reacts with Fluorides, Chlorides and Hydrofluoric Acid Hazardous Decomposition:  
Silica will dissolve with Hydrofluoric Acid with produce a corrosive gas. Extinguishing Media: Any suitable material for fire

### **3. PRODUCT HEALTH HAZARD INFORMATION**

Corrosivity: Non – corrosive  
Toxicity: Non – Toxic

### **4. PERSONAL PROTECTION**

No special protection is required other than that is normally used during handling of powders and granules. Appropriate dust masks should be worn if dust levels are high.

### **5. HANDLING AND STORAGE**

Avoid using hooks and other sharp instruments to handle the packed material. Care should be taken not to damage the packed bags. Material should be stored in a dry and covered storage area.

### **6. DISPOSAL PROCEDURE**

Normal factory disposal procedures can be followed, provided care is taken to avoid airborne dust.

### **7. FIRST AID PROCEDURES**

Eyes: Contact with eyes can cause irritation and abrasion.

- *Flush eyes with cool and clean water*

Skin: None

Inhalation: Inhalation of dust may cause difficulty in breathing and choking. Excessive inhalation of fine silica dust over long periods of time may cause Silicosis.

- *Shift to an area of clean dust free air. If not breathing give artificial respiration followed by oxygen. If irritation persists, get medical help.*

Ingestion: None

Systemic: None