

**THE PREMIER MICA COMPANY**  
(ISO 9001 2000 CERTIFIED)



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## MATERIAL SAFETY DATA SHEET

### 1. DISCRIPTION OF MATERIAL

Name : Silicon di Oxide (SiO<sub>2</sub>)  
Product Name : **PREMICA**  
Normal State : Solid  
Normal Form : Granular  
Chemical Family : Silicate

Chemical Analysis	: Silica	as	SiO <sub>2</sub>	90 %
	Alumina	as	Al <sub>2</sub> O <sub>3</sub>	3.5 %
	Iron	as	Fe <sub>2</sub> O <sub>3</sub>	0.30 %
	Calcium	as	CaO	0.25 %
	Magnisium	as	MgO	0.03 %
	Potassium	as	K <sub>2</sub> O	1.50 %
	Sodium	as	Na <sub>2</sub> O	2.90 %
	Loss on Ignition			0.6 %
	pH (10% solution)			7.5
	Moisture			0.2 %

CAS Number : 014808 – 60 – 7

### 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