PRODUCT DATA SHEET	SILICA FLUX

1. Product Description

Silica is a chemical compound made of silicon and oxygen with the chemical formula SiO2, or silicon dioxide. It is the second most abundant element in the Earth's crust, after oxygen, and is found in many different forms, including quartz, sand, and clay.

2. Application

Silica is a versatile material with a wide range of uses. a substance used in metallurgy and smelting processes to lower the melting point of the main glass-forming constituents, usually silica and alumina. It is also used in metallurgy as a flux to remove impurities from metals during smelting. It is also used in the manufacture of glass, ceramics, bricks, concrete, and a variety of other products as well as in the food industry as an anti-caking agent and in the pharmaceutical industry as a filler and excipient.

3. Typical Properties (Physical & Chemical)

Parameter	Unit	Specification
Fe_2O_3	%wt	Max 0.01
Al_2O_3	%wt	0.09
CaO	%wt	Max 0.01
K_2O	%wt	0.03
TiO_2	%wt	0.03
SiO_2	%wt	Min 99.0
Melting Point	°C	> 1500
Water Content	%	0.41
Density	gr/ml	1.46 – 1.62
Size	mm	0.4 – 4.0
Size	mesh	5 – 40

4. Packaging

- Jumbo Bag 1 tons

5. Storage and Handling

- Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking, and smoking in contaminated areas.
- Store in a cool, dry, well-ventilated area, removed from incompatible substances and foodstuffs. Ensure containers are adequately labelled and protected from physical damage when not in use. Suppress dust with water if stored in bulk.