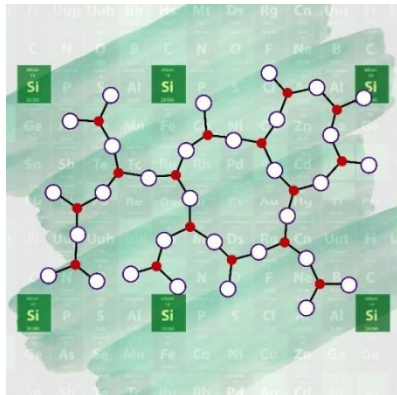




Amorphous Silicon dioxide
International Number 551/E551

Multi-Sil



Bio Silica - 100% Green Product
derived from Rice Husk Ash.



Ultrapure - Free from traces of crystals,
heavy metals, Sulphate impurities etc.



Versatile product fit for use with
various industrial powders etc.



Industrial Usage

Multi-Sil is inert and easily absorbs & retains liquid. It is used as Free-Flowing & Anti-Caking agent, as a microcapsule to carry active ingredients.

Widely used in any processing, transporting, packaging of any kind of powder across various industries.

Thickening agent & rheology modifier for coatings, adhesives, sealants etc.

As a drying agent in Detergent, Moisture control in Fertilizers, Active carried in Pesticides etc.

Flatting or matting agent for Paints & Coatings to reduce the gloss. It also acts as an absorbent.

Microporous fillers for battery separator and other applications requiring



Mode Of Action

Multi-Sil have strong water absorptivity & holding capacity without being sticky.

Competes with host powder for moisture, reducing hygroscopicity of host.

Keeps host particles separated permitting the liquid to wet them individually.

Increases the speed of dispersion and resists lump formation.

Multi-Sil absorbs water & oil from the host.

Reduces electrostatic cohesion and resists cake formation

Removes the protective skin of insects causing them to dry out and die.

Acts as a desiccant and makes the host product free from insects & microbes.

It is Inert and non-inflammable with low electrical conductivity.

An excellent and safe product to use as a filler.

Multi-Sil has very high hardness.

Provides strength and abrasion resistance.

Multi-Sil has high bulk density

Give volumetric support to base material as well as makes a good carrier.



General Specification

White, free flowing powder

SiO₂ Content	99.0%
Free Moisture(105°C for 2 Hrs)	6.0%
LOI (1000 °C for 2 Hrs)	6.0%
Bulk Density when Packed (gms/lit)	~170-220
DBT Absorption (+/- 10) ml/100 gm	~240
pH	~5-8
Avg Particle Size (D50) - microns	12-20
BET Surface Area (m²/gm)	165-175
Residue on 325 Mesh (less than)	0.2%
Soluble Salt (NaCl) less than	0.4%
Ferrous Impurities (max ppm)	200
Sulphate, crystalline silica	Nil
Heavy Metal Content (max ppm)	5 ppm



Let's Talk Business

Looking for High Purity Silica but
consistent properties?

Manufacturers of :

Insecticide & Pesticides, Fertilizers,
Detergent Powder, Paints & Coatings,
Adhesive & Sealants, Battery, **Rangoli
Manufacturers etc.**

In any product to reducing moisture or to
convert liquid into powder.



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