

## Biosilico<sup>®</sup> HLPC.0199

(Formerly known as HI.MI00.0199)

### Medium BET RH Silica for Paints & Coatings

**Biosilico HLPC.0199** is bio-based hydrophilic silica, synthesized from Rice Husk and used as a Multifunctional Additive for Paints & Coatings.

#### Product Benefits

- Advanced material with high purity from bio-based organic source.
- Bio-compatibility, bio-degradable & eco-friendly.
- Incorporates easily into various formulations with good rheology and texture.
- Good porous structure and particle size distribution.
- Non-reactive, stable and resistant to extreme environments and temperature from -55 to 450 °C.
- Imparts excellent chemical resistance and shelf-life.

#### Properties

PROPERTIES	UNIT	SPECIFICATION
State		Amorphous – Micron powder
Appearance		White
Loss on Drying (2 hrs in 105°C)	%	Max 5.0
Tamped density	g/cm <sup>3</sup>	0.04 – 0.12
pH (of 5% suspension)		4.0 – 8.0
Particle size (D50)	µm	3.0 – 10.0
Surface area	m <sup>2</sup> /g	350 – 500

At time of packaging.

#### Product Information



ISO 9001:2015

QMS granted by Universal GmbH



#### Packaging

**Biosilico HLPC.0199** is supplied in 12 kg paper bag.

#### Storage and Handling

- Store in closed containers under dry condition, protect the material from volatile substances, and handle sensibly to minimize dust generation.
- This product should be used within 24 months from production date.

#### Safety Data

##### Warning

- Keep away from source of ignition to avoid spreading dust.
- Use with adequate ventilation.
- Drying and abrasive properties may cause skin, eye or respiratory irritation.
- Avoid inhalation or prolonged contact with skin.
- If dusty conditions prevail, use gloves and adequate respirator.
- Dispose of in accordance with state and local requirement.
- See MSDS for more information.

##### First Aid

- Follow the rules of personal hygiene on dust inhalation and/or eye contact.

##### After eye contact

- Remove contact lens if have.
- Flush open eyes with large quantity running water for at least 15 minutes.
- Call for medical care if symptoms persist.

##### After skin contact

- Flush skin with water at least 15 minutes.
- Call for medical care if symptoms persist.

##### After inhalation

- Supply fresh air.
- Call for medical care if receive complaints.
- Do CPR if stop breathing.

##### After swallowing

- Call for medical care.
- Do not induce vomiting.

