

## Biosilico HO.PC.2299

(Formerly known as HO.MI00.0299)

### Easy-To-Disperse Hydrophobic Additive

**Biosilico HO.PC.2299** is a pre-dispersed silica product synthesized from Rice Husk and used to impart hydrophobicity in Paints & Coatings formulations.

#### Product Benefits

- Provides easy and better dispersibility in paints and coatings.
- Additive for imparting hydrophobicity in coatings with water and moisture barrier properties.
- Ease of processability in coating formulations compared to commercially available inorganic pigments and extenders.
- Highly cost-effective alternative to commercial hydrophobic additives.
- Provides lubrication, improves dispersibility and enables high dosage in mineral composites, plastics such as HDPE, LDPE, PET etc.
- Enables free flowing behavior & rheology control characteristics in powder additives and powder coatings.
- Bio-degradable, eco-friendly & non-toxic materials from bio-based source and inert to chemicals.

#### Properties

PROPERTIES	UNIT	SPECIFICATION
State		Amorphous – Micron powder
Appearance		White
Loss on Drying (2h in 105 °C)	%	Max 5.0
Tamped density	g/cm <sup>3</sup>	Approx. 0.015 – 0.28
Bulk density	g/cm <sup>3</sup>	Approx. 0.011 – 0.15
pH		5.0 - 8.0
D(50)*	µm	3.0 - 10.0
Surface area*	m <sup>2</sup> /g	110 - 115

At time of packaging.  
\* Before surface modified

#### Product Information



QMS granted by Universal GmbH



#### Packaging

**Biosilico HO.PC.2299** is supplied in 15 kg 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 complaints
- Do CPR if stop breathing.

##### After swallowing

- Call for medical care
- Do not induce vomiting.

