

# Biosilico

*Working together for a Sustainable Future*

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## **Biosilico** for Beauty & Personal Care

### Multifunctional additives

Biosilico is a commercially produced bio-based amorphous silica manufactured with the highest degree of purity and synthesized for a wide range of applications.

Manufactured by BSB Nanotech in Vietnam, this green silica is derived from Rice Husk (RH), a common agricultural waste in rice producing countries in Asia. The production of Biosilico offers strong technical and commercial advantages as well as improved sustainability in comparison with conventional methods of producing silica from sand and quartz.



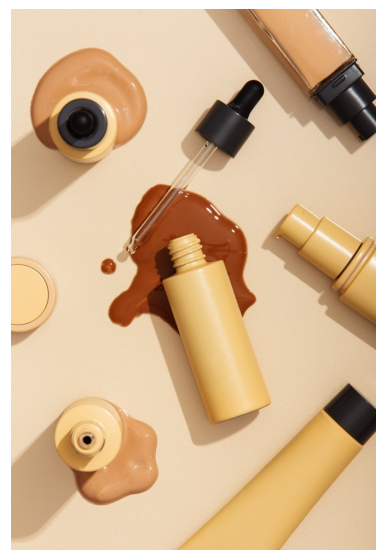
## **Biosilico** in Beauty & Personal Care

Silica can be used to replace microplastics as an abrasive agent in exfoliating products. This reduces plastic pollution induced by beauty and personal care products such as scrubs, cleansing lotions, and as such.

In powder and cream-liquid products, silica can act as an anti-caking and anti-settling agent whilst promoting sebum control. Silica can also aid the processability and shelf-life of cream and liquid products. It enhances corrosion protection which prolongs the shelf-life of the product.

As an ingredient in cosmetics and skin care formulations, silica can boost collagen production. The absorptive properties of silica also make it an excellent carrier for perfume and active ingredients. It also can absorb excess moisture and oil from the surface of the skin

In response to the increasing demand for high-quality cosmetics and personal care products with low environmental impact, BSB has successfully developed a range of rice-husk based silica, to meet specific needs. Biosilico is manufactured according to ISO 9001:2015 and has been certified according to GMP Asean for Cosmetics Ingredients.



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## Biosilico® for Beauty & Personal Care

### Applications & Benefits

Some benefits of incorporating silica in::

#### Skin Care

- Boosts collagen production
- Promotes skin elasticity
- Increase the flow of both nutrients and oxygen to the skin
- Absorb excess oil and moisture

#### Hair Care

- Strengthens fine hair
- Delivers essential nutrients to your scalp and hair follicles
- increase blood circulation at the scalp & increase hair growth
- Promote production of keratin

#### Oral Care

- Removes plaque and other substances from teeth
- Removes stains

#### CTS Program

*We understand that each client holds proprietary formulations in their manufacturing processes. BSB has developed a Comprehensive Technology Solutions (CTS) Program to work with end clients to research and develop customised applications.*

*Drop us an email or contact us for specific applications, technical datasheets and CTS programs.*

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