

TECHNICAL DATA SHEET

Product Name

Eksfoliant BFG50 – Natural Silica-Based Exfoliating Agent

INCI Name

Hydrated Silica

Product Type

Natural mineral exfoliating agent

1. Product Description

Eksfoliant BFG50 is a natural, mineral-based exfoliating agent composed of rounded hydrated silica granules with controlled particle size distribution.

It provides gentle yet effective mechanical exfoliation and is suitable for face, body, and oral care formulations. Due to its spherical morphology and low abrasiveness, it can be used even in sensitive skin products.

The ingredient is compatible with natural, organic, and halal cosmetic formulations.

2. Key Characteristics

- Rounded silica granules
- Particle size: 200–350 μm
- Provides controlled, uniform exfoliation
- Low abrasiveness
- pH stable between 3–10
- Insoluble in water
- Biodegradable mineral origin

Free from:

- GMOs
- BSE/TSE risk

- Known allergens

Suitable for natural and organic cosmetic standards.

3. Physical and Chemical Properties

Parameter	Specification
Appearance	White or colorless granules
Odor	Neutral
Particle Size	200–350 μm
Solubility	Insoluble in water
pH Stability	3 – 10
Abrasiveness	Low

4. Application Areas

- Body scrubs and shower gels
- Facial exfoliants
- Hand scrubs
- Foot care products
- Toothpastes (cleaning booster)
- Decorative particle systems in gel and cream formulations

Provides both exfoliating function and decorative particle effect in colored formulations.

5. Recommended Usage Level

0.5 – 5% depending on product type and desired exfoliation intensity.

Lower percentages are recommended for facial applications.
Higher percentages may be used in body and foot scrubs.

6. Formulation Guidelines

- Add at the final stage of formulation.
- Incorporate under low shear mixing to avoid particle breakage.
- Avoid high-speed homogenization after addition.

- Compatible with surfactant systems and emulsions.
- Suitable for both rinse-off and leave-on decorative applications.

7. Stability

Stable within pH range 3–10.

Does not dissolve or degrade under normal cosmetic processing conditions.

8. Storage Conditions

Store in a cool, dry place.

Protect from moisture and direct sunlight.

Keep container tightly closed.

9. Shelf Life

3–5 years when stored under recommended conditions.