

## Bacillus Ferment

### Specification Sheet

**Description:** Bacillus ferment is an enzymatic exfoliant used to exfoliate the skin and is a mild but effective alternative to alpha hydroxy fruit acids and is active at a mild pH range of 5-8.

**CAS:** 7732-18-5, 56-81-5, 57-55-6, 100085-62-9

**INCI Name:** Water, glycerin, propylene glycol, bacillus ferment

**Composition:** water, glycerin, propylene glycol, bacillus ferment, potassium sorbate

**Appearance:** Clear brown liquid

**Benefits:**

- Natural enzymes that eliminate dead skin cells to smooth the skins surface.
- Functions as non-mechanical, but enzymatic exfoliation process.
- Provides younger looking skin.

**Use:** Add to the water phase or at the end of cosmetic formulations ideally at room temperature (but can also be added to hot solutions of up to 150° F/60°C). Recommended use level is 2% maximum. Not to be used on abraded skin. For external use only.

**Applications:** Anti-aging creams, gels and body lotions, whitening products, peels and scrubbing products, masks and non-abrasive exfoliants.

**Solubility:** Water-soluble

**Preservation:** Potassium sorbate

**Storage:** Store refrigerated (4-8°C / 39-46°F)

**Country of Origin:** France

**Raw material source:** Bacillus Subtilis, glycerin made of naturally derived oils.

**Manufacture:** Fermentation of Bacillus Subtilis which yields a protease that has keratolytic activity.

**Animal Testing:** Not animal tested.



10800 231<sup>st</sup> Way NE  
Redmond, WA 98053  
Phone: 425-292-9502  
makingcosmetics.com

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**GMO:** GMO-free

**Vegan:** Does not contain animal-derived components.

**HS Code:** 1302190100