

Gluconolactone SB

Specification Sheet

Description: Natural broad-spectrum antimicrobial blend in powder form consisting of glucono-delta-lactone (microbial fermentation of corn) which has chelating and hydrating benefits and sodium benzoate (food grade preservative). Non-GMO.

CAS: 90-80-2, 532-32-1, 299-28-5

INCI Name: Gluconolactone, sodium benzoate, calcium gluconate

Composition: Gluconolactone, sodium benzoate, calcium gluconate

Appearance: White powder

Benefits:

- Effective broad-spectrum protection for a wide range of skin and hair care products.
- Active in a wide pH range (best between pH 3-6).
- Has GRAS (Generally Accepted As Safe) status and is compliant with ECOCERT, WholeFoods and the European REACH regulation (Registration, Evaluation, Authorisation and restriction of Chemicals)

Use: Recommended use level of 0.75-2.0%. Performs best in pH 3-6. Compatible with practically all raw materials. Can be added directly to the formulation below 100°F/40°C. For external use only.

Applications: All kinds of skin & hair care products (incl. emulsions, aqueous & anhydrous systems), sun care products, makeup products.

Solubility: Water-soluble

Storage: Store in a closed container at a dry place at room temperature.

Country of Origin: USA

Raw material source: Gluconic acid, benzoic acid

Manufacture: Proprietary blend of three antimicrobial agents. Gluconolactone is produced from an aqueous gluconic acid solution by dehydration involving azeotropic distillation with alcohols, followed by crystallization from the alcohol-containing residue. Calcium gluconate is produced by neutralization of gluconic acid with lime. Sodium benzoate is produced by the neutralization of benzoic acid with sodium bicarbonate.



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

Animal Testing: Not animal tested.

GMO: GMO-free

Vegan: Does not contain animal derived components.

HS Code: 2906210000