

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).

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, Whole Foods and the European REACH regulation (Registration, Evaluation, Authorization 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.



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Animal Testing: Not animal tested.

GMO: GMO-free

Vegan: Does not contain animal derived components.

HS Code: 2906210000