

Sodium Gluconate, USP

Specification Sheet

Description: Sodium gluconate is the neutralized form (salt) of gluconic acid. Widely used in the cosmetic industry for stabilizing purposes. Synonym: D-gluconic acid, monosodium salt. USP grade. Off-white granules, no odor. Soluble in water, pH 6.5-7.5 (10% solution).

CAS: 527-07-1

INCI Name: Sodium gluconate

Benefits:

- USP grade
- Stabilizes and protects cosmetic products from discoloration and rancidity of cosmetic oils and butters
- Binds metal ions (chelating effect) especially iron & copper over a wide pH range
- Acts as pH regulator as well as humectant
- Natural alternative to synthetic chelating agents

Use: Typical use level 0.1-1.0%. Add to water phase of formula until dissolved. For external use only.

Applications: To stabilize all kinds of cosmetic products like creams, lotions, shampoos, conditioners, makeup products, sunscreen products.

Country of Origin: USA

Raw material source: Glucose (sugar).

Manufacture: Sodium gluconate is produced by microbial fermentation of glucose (e.g., *Aspergillus niger* fungi) with use of sodium hydroxide to control the pH.

Animal Testing: Not animal tested

GMO: Certified GMO free (certified by NSF)

Vegan: Yes

Disposal: Readily biodegradable (98 % after 2 days)