MakingCosmetics

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Updated: 15-Apr-2024

Benzyl Alcohol-SAL

Specification Sheet

Description: Broad-spectrum preservative blend consisting of benzyl alcohol (aromatic alcohol), salicylic acid, glycerin and sorbic acid. Effective alternative to parabens.

CAS: 100-51-6, 69-72-7, 56-81-5, 110-44-1

INCI Name: Benzyl alcohol (and) Salicylic Acid (and) Glycerin (and) Sorbic Acid

Composition: Benzyl Alcohol, salicylic acid, glycerin, sorbic acid

Purity Grade: No Purity Grade Available

Appearance: Clear to slightly yellowish liquid

Benefits:

- Effective broad spectrum protection in a diverse range of products against gram- positive and gram-negative bacteria, yeast, and mold.
- Performs well in a wide pH range (2-6) but can be inactivated by a high pH

Use: Recommended use level of 0.6 - 1 %. Can be added directly to the formulation below 100°F/40°C. For external use only.

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

Solubility: Soluble in water and ethanol

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

Country of Origin: USA

Raw material source: Benzyl chloride, sodium phenoxide, aldol

Manufacture: Benzylalcohol is produced naturally by many plants and fruits but is manufactured synthetically for commercial purposes. It is prepared by the hydrolysis of benzyl chloride using sodium hydroxide. Salicylic acid is prepared from dry sodium phenoxide in a stream of carbon dioxide. It is further purified by crystallizing the sodium salicylate from water at a temperature not exceeding 20 deg C. Sorbic acid is synthetically

produced by aldol condensation of acetaldehyde to form crotonaldehyde which is then reacted with ketene to form sorbic acid.

Animal Testing: Not animal tested

GMO: GMO-free

Vegan: Does not contain animal-derived components

HS Code: 2906210000