

Salicylic Acid

Specification Sheet

Description: Organic beta hydroxy acid (chemical name: 2-hydroxybenzoic acid), occurs naturally in various plants. Fine, white powder, odorless. USP grade. Solubility: see below. pH Value: 2.4. Melting Point: 159°C (318°F).

Solubility:

Water: about 0.2% at 20°C, about 1.7% at 75°C (by adding about 5% of sodium phosphate or another neutral salt, solubility of salicylic acid in water is increased to about 1.8%)

Alcohol (ethanol): about 14% in pure ethanol, about 0.5% in 20% ethanol

Propylene glycol: about 3-6%

Glycerin: about 1.6%

Octyldodecanol: about 15-20%

CAS: 69-72-7

INCI Name: Salicylic acid

Properties: Widely used ingredient for skin peels, and in products for oily, acneic and/or blemished skin. Note: salicylic acid products may sting on the skin.

Use: Typical use level 0.5-3%. Typically, it is added to the water phase of formulas but it is only slightly soluble in water. If used at concentrations higher than 2%, octyldodecanol or propylene glycol should be used as solvent. Salicylic acid can be added also in powder form to a finished cream or lotion without dissolving it first in water or another solvent.

Applications: Peels and exfoliant products. Anti-acne products (max. 2%). Anti-dandruff products (max 3%). Wart-removing products (max. concentration depends on type of plaster vehicle used).

Country of Origin: France

Raw material source: Sodium phenoxide and carbon dioxide.

Manufacture: 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°C.

Animal Testing: Not animal tested

GMO: GMO free (does not contain plant-derived components)

Vegan: Does not contain animal-derived components