

SALICYLIC ACID
Pharmaceutical Grade

(1/2)
USP grade
CRYSTALLINE POWDER
Manufactured by Rhodia in Paulinia, BRAZIL

PRODUCT DATA SHEET PAU-SA-PHA-USP-1203-V1

IDENTIFICATION

CAS: 69-72-7
EINECS: 200-712-3

SYNONYMS

2-hydroxybenzoic acid
orthohydroxybenzoic acid

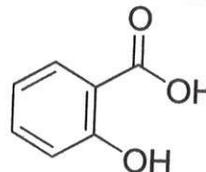
EMPIRICAL FORMULA

C₇H₆O₃

MOLECULAR WEIGHT

M_r = 138.12

STRUCTURAL FORMULA



PHYSICO-CHEMICAL PROPERTIES

A white, crystalline powder or white or colourless, acicular crystals.
Not hygroscopic.
Tapped density (d₁₂₅₀) 0.70 to 0.80 g/ml
Poured density (d₀) 0.40 to 0.50 g/ml
Sublimation point from 76°C
Solubility at 20 °C
Ethanol Freely soluble
Chloroform, methylene chloride Sparingly soluble
Benzene, water Slightly soluble

APPLICATIONS

- Pharmaceutical applications: salicylic acid is a keratolytic agent (mostly used in creams, ointments and shampoos).
- Chemical synthesis: starting material for the synthesis of active pharmaceutical ingredients, antiseptic agents, fragrance chemicals, etc
- Food industry (preservative)
- Personnel care applications: cosmetics

SPECIFICATIONS

| Tests | Limit | Method |
|--|-----------------|-----------------------------|
| Melting range (capillary) | 158 to 161°C | USP |
| Assay (dry basis) | 99.5 to 101.0 % | USP |
| Loss on drying | 0.5% maximum | Karl Fischer ⁽¹⁾ |
| Chloride | 0.014 % maximum | USP |
| Heavy Metals | 20 µg/g maximum | USP |
| Sulfates | 0.02% maximum | USP |
| Residue on Ignition | 0.05% maximum | USP |
| Related Compounds | | |
| 4-Hydroxybenzoic acid (Compound A) | 0.1 % maximum | USP (HPLC) |
| 4-Hydroxyisophthalic acid (Compound B) | 0.05 % maximum | |
| Phenol | 0.01 % maximum | |
| Other Impurities > 0.05% | none | |
| Total impurities | 0.2 % maximum | |

Notes: (1) validated against USP method

This product meets USP requirements. Compliance with EP is guaranteed.

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REGULATORY

EU: Certificate of Suitability ref. CEP 1993-008, current version

GMO status: Salicylic acid is GMO free

BSE/TSE status: Salicylic acid is free of BSE / TSE

Residual solvents: Only water is used in the final purification stages

Residual catalysts: No catalysts are utilized in the manufacturing process of salicylic acid

FEMA N°: 3985

INCI Name: Salicylic acid

REACH: Registration # 01-2119486984-17-0001

Regulatory support is provided to assist our customers in their registration process.

PACKAGING

- Kraft paper bags (polyethylene inner liner) of 25 kg net weight
- 250 lbs cardboard drums
- Flexible containers, from 500 to 1000 kg

TRANSPORT

- INLAND
 - International Legislation (RID-ADR)
 - SEA FREIGHT (OMI)
 - AIR FREIGHT (IATA)
- Not regulated

STORAGE CONDITIONS

The product is stable under ICH accelerated conditions. Therefore, controlled conditions are not required for storage of salicylic acid.

Re-test date: 5 years

Store in sealed containers in a ventilated area, preferably below 40°C (excursions up to 60°C are authorized), do not store above 60°C as the product may consolidate due to some sublimation. Keep in a dry place, protected from sunlight and sources of ignition. Keep out of reach of children.

SAFETY INSTRUCTIONS

Please consult our material safety data sheet

DISCLAIMER

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. We guarantee that our products comply with our sales specifications.

This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorizations. Users are requested to check that they are in possession of the latest version of this document and we are at their disposal to supply any additional information.

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