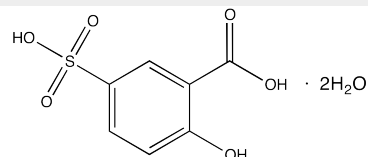


5-Sulfosalicylic acid dihydrate, for analysis, ExpertQ®, ACS

Identification

C₇H₆O₆S·2H₂O
M = 254,22 g/mol
CAS [5965-83-3]
EC number: 202-555-6
Taric code: 2918 29 10



Synonyms

3-Carboxy-4-hydrobenzenesulfonic acid, 2-Hydroxy-5-sulfobenzoic acid, Salicylsulfonic acid

Applications

synthesis of organic products, in lubricant compositions, indicator, analytical chemistry.

Specifications

assay (acidimetric).....	99 - 101 %	heavy metals (as Pb).....	max. 0,002 %
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,001 %
insoluble in water.....	max. 0,005 %	lead (Pb).....	max. 0,001 %
chlorides (Cl).....	max. 0,001 %	nickel (Ni).....	max. 0,001 %
sulfates (SO ₄).....	max. 0,02 %	salicylic acid.....	max. 0,04 %
copper (Cu).....	max. 0,0003 %	residue on ignition.....	max. 0,1 %

Physical data

- Spec. Density: 0,8 g/cm³
- Bulk density: ~ 310 kg/m³
- Solub. in water: (20 °C): freely soluble
- Melting point: 120 °C
- Flash point: ~ 150 °C
- pH(200 g/l H₂O, 20 °C) < 0,5

Safety - GHS

Signal Word: Warning

Hazard Statements:

H315: Causes skin irritation.
H319: Causes serious eye irritation.



Precautionary Statements:

P280: Wear protective gloves / protective clothing / eye protection / face protection.
P264: Wash thoroughly after handling.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see on this label).
P332+P313: If skin irritation occurs: Get medical advice / attention.
P337+P313: If eye irritation persists: Get medical advice / attention.

Transport/storage

- ADR: 8 C4 III • UN 3261 • CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (5-Sulfosalicylic acid dihydrate)
- IMDG: 8 III • UN 3261 • CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (5-Sulfosalicylic acid dihydrate)
- IATA/ICAO: 8 III • UN 3261 • CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (5-Sulfosalicylic acid dihydrate)
- PAX: 822
- CAO: 823
- 10°C - 30°C