

Sulfuric acid, 95 - 98%, Pharmapur®, Ph Eur, BP, NF

Identification

H₂SO₄
M = 98,08 g/mol
CAS [7664-93-9]
EC number: 231-639-5
Taric code: 2807 00 00

Synonyms

Sulphuric acid

Applications

analytical chemistry, laboratory reagent, acidifying agent, synthesis of organic products, nitrogen determinations, in pharma industry.

Specifications

assay (acidimetric).....	95,0 - 100,5 %	arsenic (As).....	max. 1 ppm
Identification A (EP).....	passes test	iron (Fe).....	max. 25 ppm
Identification B (EP) /		reducing substances.....	passes test
A (USP).....	passes test	residue on ignition.....	max. 0,005 %
appearance of solution.....	clear and colourless	chlorides and sulfates (USP).....	passes test
chlorides (Cl).....	max. 50 ppm		
nitrites (NO ₂).....	passes test		

Avoid exposure to light

Physical data

- Density: 1,84 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: ~ -15 °C
- Boiling point: ~ 310 °C
- Vapour pressure: (20 °C) ~ 0,0001 hPa
- pH(49 g/l H₂O, 25 °C) 0,3
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.



Precautionary Statements:

P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor / physician.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 8 C1 II • UN 1830 • SULPHURIC ACID
- IMDG: 8 II • UN 1830 • SULPHURIC ACID
- IATA/ICAO: 8 II • UN 1830 • SULPHURIC ACID
- PAX: 809
- CAO: 813
- 15°C - 25°C