

**Sulfuric acid, concentrated solution to prepare 1 l of solution 0,5 mol/l
(1 N)****Identification**

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

Applications

analytical chemistry, titrant in volumetric analysis.

Specifications

amount of substance: 49,040 g H₂SO₄ concentrated solution.....2,5 mol/l ± 0,1 %

Physical data

- Density: 1,29 g/cm³
- Solub. in water: (20 °C): miscible
- Boiling point: ~ 135°C
- pH(20 °C) < 1
- 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 2796 • SULPHURIC ACID
- IMDG: 8 II • UN 2796 • SULPHURIC ACID
- IATA/ICAO: 8 II • UN 2796 • SULPHURIC ACID
- PAX: 809
- CAO: 813
- 10°C - 30°C