

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

H<sub>2</sub>SO<sub>4</sub>  
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 H<sub>2</sub>SO<sub>4</sub> concentrated solution..... 2,5 mol/l ± 0,1 %

**Packaging****Packaging Code**

u.  AC207300PA

**Physical data**

- Density: 1,29 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Boiling point: ~ 135°C
- pH(20 °C) < 1
- Hygroscopic

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

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.  
P321: Specific treatment (see on this label).  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- LD 50 (oral, rat): 2140 mg/kg
- MAK: 0,1 mg/m<sup>3</sup>
- WGK: 1
- Poison class CH (Swiss): 2

**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
- Store between 15°C and 25°C