

Sulfuric acid, 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, laboratory reagent, titrant in volumetric analysis.





Specifications

factor..... 0,999 - 1,001
uncertainty ± 0,001

1 ml = 0,04904 g H₂SO₄

This volumetric solution was checked by means of potentiometric methods using Scharlau's tris(hydroxymethyl)-aminomethane volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

Packaging**Packaging Code**

1 l  AC20801000
5 l  AC2080005P
10 l  AC2080010C
25 l  AC2080025P

Physical data

- Density: 1,02 g/cm³
- pH(20 °C) ~ 0,6

Safety - GHS**Hazard Statements:**

EUH210: Safety data sheet available on request.

Toxicological data

- LD 50 (oral, rat): 2140 mg/kg (pure substance)
- MAK: 0,1 mg/m³
- WGK: 1
- Poison class CH (Swiss): 3

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