

## Sulfuric acid, solution 1 mol/l (2 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, laboratory reagent, neutralising agent.

### Specifications

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

1 ml = 0,09808 g H<sub>2</sub>SO<sub>4</sub>

This solution was analysed using a certified reference material (tris(hydroxymethyl)-aminomethane).  
The certified reference material is ISO 17034 accredited, measured according to ISO/IEC 17025 and traceable to the International System of Units by means of a Standard Reference Material from NIST: SRM® 723 (Tris(hydroxymethyl)aminomethane (HOCH<sub>2</sub>)<sub>3</sub>CNH<sub>2</sub> (Acidimetric Standard)).

### Physical data

- Density: 1,06 g/cm<sup>3</sup>
- pH < 1

### Safety - GHS

Signal Word: Warning

#### Hazard Statements:

H290: May be corrosive to metals.  
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 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