

Sulfuric acid, solution 10% w/v, extra pure

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, neutralising agent.

Specifications

assay (acidimetric).....	approx. 10 %	iron (Fe).....	max. 0,00001 %
colour (Hazen).....	max. 10	lead (Pb).....	max. 0,000002 %
chlorides (Cl).....	max. 0,00001 %	lithium (Li).....	max. 0,000001 %
nitrates (NO ₃).....	max. 0,00002 %	magnesium (Mg).....	max. 0,000005 %
phosphates (as PO ₄).....	max. 0,00005 %	manganese (Mn).....	max. 0,000001 %
aluminium (Al).....	max. 0,000005 %	nickel (Ni).....	max. 0,000002 %
ammonium (NH ₄).....	max. 0,0002 %	potassium (K).....	max. 0,00001 %
arsenic (As).....	max. 0,000001 %	silver (Ag).....	max. 0,000002 %
barium (Ba).....	max. 0,000005 %	sodium (Na).....	max. 0,00005 %
cadmium (Cd).....	max. 0,000002 %	zinc (Zn).....	max. 0,000005 %
calcium (Ca).....	max. 0,00002 %	substances reducing KMnO ₄	passes test
chromium (Cr).....	max. 0,000005 %	residue on ignition.....	max. 0,0005 %
copper (Cu).....	max. 0,000001 %		

Packaging**Packaging Code**

1 |  AC20681000

Physical data

• Density: 1,06 g/cm³

Safety - GHS

Signal Word: Warning

**Hazard Statements:**

H315: Causes skin irritation.
H319: Causes serious eye irritation.

Precautionary Statements:

P280: Wear protective gloves / protective clothing / eye protection / face protection.
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).
P362: Take off contaminated clothing and wash before reuse.
P332+P313: If skin irritation occurs: Get medical advice / attention.
P337+P313: If eye irritation persists: Get medical advice / attention.

Toxicological data

• 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