



Product Specification

Product Name: SULFURIC ACID 98% AR

Alternate Name(s)

Description

Colourless, clear, oily liquid. Hygroscopic.

Properties

Chemical Formula: H₂SO₄

Molecular Weight: 98.08

Product Code: SA008

CAS No. 7664-93-9

General Information:

In the presence of moisture highly corrosive to most metals. Only conc.s up to 75% acid (density 1.67 kg/L) may be carried in a rubber lined drum. Concentrated solutions react violently with water.

Quality Specification

Assay: 97.5 - 98.5% w/w

Specific Properties and Impurities [Typical levels]:

Boiling Point	327.2°C (98%)
Specific Gravity	1.84
Chloride (Cl)	≤ 0.00001%
Nitrate (NO ₃)	≤ 0.00002%
Ammonium (NH ₄)	≤ 0.0001%
Substances reducing KMnO ₄ (as SO ₂)	≤ 0.0002%
Heavy metals (as Pb)	≤ 0.00005%
Aluminium (Al)	≤ 0.00001%
Arsenic (As)	≤ 0.0000004%
Barium (Ba)	≤ 0.000005%
Cadmium (Cd)	≤ 0.000001%
Calcium (Ca)	≤ 0.00002%
Chromium (Cr)	≤ 0.00001%
Cobalt (Co)	≤ 0.000002%
Copper (Cu)	≤ 0.000002%
Iron (Fe)	≤ 0.00002%
Lead (Pb)	≤ 0.000001%
Magnesium (Mg)	≤ 0.00002%
Manganese (Mn)	≤ 0.000002%
Molybdenum (Mo)	≤ 0.000005%
Nickel (Ni)	≤ 0.000005%
Potassium (K)	≤ 0.00003%
Selenium (Se)	≤ 0.0001%
Sodium (Na)	≤ 0.00003%
Strontium (Sr)	≤ 0.000002%
Zinc (Zn)	≤ 0.00002%

Hazard and Safety Data

UN Group:	II
Class:	8
UN Number:	1830
Hazchem code:	2P
CS MSDS Code:	1CH72
Poison schedule:	S6
Emergency Procedure Guide No.:	40

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CONFORMS TO ACS

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