



# Sulphuric Acid 98%

**Chemical Formula:**  $\text{H}_2\text{SO}_4$

## Properties:

Appearance :	Colourless liquid
Sp.Gravity at 30 °C :	1.82
Boiling point :	340 °C

Attack many metals with liberation of hydrogen, which is inflammable and forms explosive mixture, Hygroscopic in nature, Oxidizing agent.

## Specifications:

Purity (as $\text{H}_2\text{SO}_4$ ) :	98.0% min
Iron (as Fe) :	0.05% max
Residue on Ignition :	0.20% max
Lead (as Pb) :	0.005% max
Arsenic (as As) :	0.004% max

## Applications:

Sulphuric acid is an important reagent in a large number of processes. Among the many uses, some of the main ones are :

- Catalyst and dehydrating agent in many organic chemical manufacturing and petrochemical processes.
- In the manufacturing of detergents.
- In the manufacturing of titanium dioxide (a widely used white pigment), and other dyes and pigments.
- In the manufacturing of fertilizers mainly phosphates but also zinc, ammonium and potassium sulphates.
- In the manufacturing process for a range of plastics.
- Metal processing such as picking and de-scaling of steel, and non-ferrous metal plating and purification.

Some of its other uses include:

- Drug production via sulphonation, manufacturing of food acids (citric and lactic acid) and edible oils, Adhesives, Explosives, Synthetic rubber, Water and effluent treatment, Chlorine drying, Wood pulping, Leather tanning, Batteries.

## DANGERS AND PRECAUTIONS FOR HANDLING PRODUCT :

- Toxic
- Causes severe damage to eyes, skin & air passage
- Reaction with moist air produces mist, which has severe irritant effect on eyes, skin & air passage.
- Store the material in MS acid proof brick lined or HDPE tank.
- Fire risk in contact with organic substances.



**SUN LINKS INDIA PVT LTD**

**Packaging:**

Tanker Load. HM HDPE drums of 235 kg & HM HDPE Carboys of 50 kg.

**Product List:**

Dimethyl Sulphate | Sulphuric Acid 70 % | Aluminum Sulphate ( Non Ferric Alum ) | Oleum 23% / 65% |

Battery Grade Sulphuric Acid | Sulphur Trioxide ( SO<sub>3</sub> ) | Chloro Sulphonic Acid | Sulfamic Acid