



The Worldwide Resource...

THE BTTCO OVERSEAS

A GOVT. OF INDIA RECOGNIZED *STAR EXPORT HOUSE*
A D&B CERTIFIED COMPANY - DUNS NUMBER: 87-229-6440

Technical Data Sheet **Sulphuric Acid 98%**

Product : Sulphuric Acid
Chemical Formula : H₂SO₄

Properties:

Appearance	Clear Colorless liquid
Specific Gravity at 30°C	1.82
Molecular weight	98.08
Boiling point	340°C

Specifications:

Purity (as H ₂ SO ₄)	98.0% min
Iron (as Fe)	0.05% max
Residue on ignition	0.02 % 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 major applications are as below:

- 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.



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- Metal processing such as pickling and de-scaling of steel, and non-ferrous metal plating and purification.

Some of its other uses includes:

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 etc.

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 stainless steel or HM HDPE containers. Avoid contact with moisture
- Fire risk in contact with organic substances.

Packing:

35 / 37 / 40 / 50 / 57 Kilos Poly Cans (Jerry Can)

300/350 Kilos HDPE Drums

1400 / 1500/1600 Kilos IBC Tanks

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