

Product Name: Sulphuric Acid-98%

Product Code: ACSCSA98

CAS No: 7664-93-9

Description: Sulphuric Acid is commonly used in the tanning industry for pH adjustment and the pickling process. This chemical is highly corrosive and hazardous, necessitating strict safety measures during handling and storage.

1. Physical Properties:

Appearance: Clear colourless Liquid.

Odour: Pungent, acidic odour

Purity: Min. 98%

Solubility: Soluble in water

2. Chemical Composition:

Main Ingredients: Sulphuric acid (H₂SO₄).

Impurities: Trace amount of heavy metals & organic contaminations.

3. Applications:

Sulphuric acid is used for wide range of applications such as:

- It is commonly used as a raw material to produce other chemical solutions like hydrochloric acid, nitric acid, phosphoric acid and sulphate salts
- The steel and iron industries extensively use sulphuric acid to eliminate rust and oxidation before exporting products to automotive and large appliance industries.
- In the textile industry, it is used to manufacture rayon - a semi-synthetic breathable material used in humid and hot climate zones.
- It is also used in the manufacturing of Lead-Acid type batteries.
- It is utilised in the colouring industry to prepare dyes and pigments.
- It is used pH adjustment in waste water treatment plant.
- In the paper and pulp industry, sulphuric acid is used as a raw material in the production of chlorine dioxide - a strong oxidising and bleaching agent used for the bleaching of water which is commonly done for drinking water treatment.
- Due to its corrosive nature, sulphuric acid is often used in domestic cleaning products. Its high corrosiveness makes it ideal for cleaning dirty surfaces, such as toilets.
- In the agriculture industry, sulphuric acid is used in harvesting potatoes.

- In the production of chemotherapy medications, sulphuric acid is used to destroy the DNA of malignant cells.

4. Storage and Handling:

- Store sulphuric acid in a cool, dry place, away from incompatible materials.
- Keep containers tightly sealed when not in use.
- Do not mix sulphuric acid with other chemicals unless recommended by a qualified professional.
- Ventilate area, sweep up, use protective clothing, store in closed container. Surface will be slippery after spillage.
- Avoid inhaling fumes or vapours. Use a respirator if necessary. In case of contact with skin or eyes, immediately flush with copious amounts of water and seek medical attention.
- Always wear suitable personal protective equipment (PPE) when handling sulphuric acid, including chemical-resistant gloves, safety goggles, and protective clothing.

5. Packaging:

Sulfuric Acid 98% is available in various container sizes, including HDPE carboys 35kg & bulk containers.

6. Shelf Life:

The product typically has a shelf life of 24 months from the date of manufacture when stored as recommended.

7. Safety and Environmental Precautions:

Dispose of sulphuric acid and its containers following local, state, and federal regulations of Govt.

Do not release sulphuric acid into the environment. It is a hazardous substance and should be handled and disposed of accordingly.

Disclaimer: This technical data sheet is for informational purposes only and does not constitute a warranty or guarantee regarding the product's performance. Users should conduct their own risk assessments and follow all safety guidelines when working with sulphuric acid applications.