



QATAR CHEMICAL ACIDS (Q-ACIDS)

SAFETY DATA SHEET (SDS)

Product: Sulfuric Acid 98%

Revision: Version 2.0

Revision Date: 01 January 2026

SECTION 1: Identification

Product Identifier: Sulfuric Acid 98%

Chemical Name: Sulfuric Acid

CAS Number: 7664-93-9

UN Number: UN1830

Recommended Use:

Industrial chemical / pH control / fertilizer / chemical manufacture

Supplier:

Qatar Chemical Acids (Q-Acids)

Mesaieed Industrial City

Mid Industrial Area,

PO Box 50229

Emergency Tel: +974 44760339 / 44760340 44760346

SECTION 2: Hazard Identification

GHS Classification

- Skin Corrosion Category 1A
- Serious Eye Damage Category 1
- Corrosive to Metals Category 1

Signal Word

DANGER

Hazard Pictogram



Corrosion (GHS05)

Hazard Statements

- H290 May be corrosive to metals
- H314 Causes severe skin burns and eye damage

Precautionary Statements

Prevention

- P260 Do not breathe mist/vapors
- P280 Wear protective gloves/eye protection/face protection

Response

- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 IF ON SKIN: Remove contaminated clothing. Rinse skin with water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water.

SECTION 3: Composition

| Component | CAS | Concentration |
|----------------|-----------|---------------|
| Sulphuric Acid | 7664-93-9 | 98% |
| Water | 7732-18-5 | 2% |

SECTION 4: First Aid Measures

Inhalation: Move to fresh air immediately.

Skin Contact: Flush with water for at least 15 minutes.

Eye Contact: Flush immediately for at least 15 minutes. Seek urgent medical attention.

Ingestion: Do NOT induce vomiting. Seek immediate medical attention.

SECTION 5: Fire Fighting Measures

- Non-combustible
- Decomposition may release sulfur oxides

Suitable Extinguishing Media:

- Dry chemical
- CO₂
- Water spray

SECTION 6: Accidental Release Measures

- Evacuate area
- Wear acid-resistant PPE
- Contain spill
- Neutralize with lime or soda ash

SECTION 7: Handling and Storage

Handling

- Avoid contact with water
- Use proper ventilation
- Use corrosion-resistant equipment

Storage

- Store in cool, dry ventilated area
- Keep away from bases, organics, metals

SECTION 8: Exposure Controls / Personal Protection

Exposure Limits

| Agency | Limit |
|-----------|---------------------|
| ACGIH TLV | 0.2 mg/m |
| OSHA PEL | 1 mg/m ³ |

PPE

- Acid-resistant gloves
- Chemical goggles + face shield
- Acid suit/apron
- Respirator if mist exposure possible

SECTION 9: Physical and Chemical Properties

| Property | Value |
|----------------|------------------------|
| Appearance | Clear liquid |
| Odor | Odourless |
| Ph | <1 |
| Density | 1.84 g/cm ³ |
| Boiling Point | 340°C |
| Freezing Point | 10°C |
| Solubility | Miscible with water |

SECTION 10: Stability and Reactivity

Stable under normal conditions.

Avoid:

- Water addition
- Bases
- Metals
- Organics

Hazardous decomposition:

- Sulfur oxides
- Hydrogen (with metals)

SECTION 11: Toxicological Information

Routes of Exposure

- Inhalation
- Skin

- Eye
- Ingestion

Effects

- Severe burns
- Respiratory irritation

LD50 Oral (Rat):

2140 mg/kg

SECTION 12: Ecological Information

- Harmful due to pH shift
- Avoid release to waterways

SECTION 13: Disposal Considerations

Dispose in accordance with local regulations.

Neutralization may be required.

SECTION 14: Transport Information

UN Number: UN1830

Proper Shipping Name:

Sulfuric Acid

Hazard Class:

8

Packing Group:

II

SECTION 15: Regulatory Information

Complies with:

- UN GHS
- OSHA HazCom
- REACH/CLP (if applicable)

SECTION 16: Other Information

Revision Date:

01 January 2026

Prepared by:

HSE Dept

Q-Acids