

SULFURIC ACID (H_2SO_4)



H₂SO₄

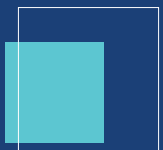


Industrial-Grade Potassium Sulfate Crafted for Purity, Reliability & Agricultural Performance

World Acid produces high-purity sulfuric acid designed to support large-scale industrial operations across energy, refining, manufacturing, water treatment, and chemical processing sectors.

Manufactured using advanced DCDA technology and controlled production systems, our sulfuric acid delivers consistent concentration, operational reliability, and dependable performance for critical industrial applications.

With integrated logistics, dedicated storage infrastructure, and continuous production capability, World Acid ensures reliable bulk supply tailored to industrial demand across Iraq and the region.



PRODUCT OVERVIEW

Sulfuric Acid (H_2SO_4) is one of the world's most essential industrial chemicals, widely used in energy production, industrial manufacturing, refining, fertilizer production, and water treatment processes.

At World Acid, our production systems are designed around:

- High-purity output
- Stable concentration control
- Continuous operational reliability
- Safe handling and transportation
- Large-scale industrial supply capability

Our sulfuric acid is manufactured to meet the operational requirements of industries where consistency, performance, and uninterrupted supply are critical.

KEY PRODUCT ADVANTAGES

High Purity & Consistent Quality

Produced using advanced Double Contact Double Absorption (DCDA) technology to ensure stable concentration, minimal impurities, and dependable industrial performance.

Reliable Industrial Supply

Continuous production operations supported by dedicated storage capacity and integrated logistics infrastructure.

Operational Stability

Controlled production and quality monitoring systems help maintain consistent product specifications across every batch.

Excellent Solubility:

Highly water-soluble and suitable for direct application, blending, fertigation systems, and industrial use.

Integrated Logistics Capability

Dedicated stainless steel tanker fleet supporting safe and efficient transportation across Iraq.

Fast Local Delivery:

24–48-hour local delivery capability supported by optimized dispatch systems and strategic operational positioning.

Safety-Focused Operations

Produced, stored, and transported under strict operational safety and environmental control systems.



PRODUCT SPECIFICATIONS

PROPERTY SPECIFICATION

Chemical Name	Sulfuric Acid
Chemical Formula	H ₂ SO ₄
CAS No.	7664-93-9
Appearance	Clear, colorless oily liquid
Concentration	~98.5%
Density	~1.84 g/cm ³
Boiling Point	~337°C
Solubility	Fully miscible with water; mixing is highly exothermic
Production Technology	DCDA System
Purity Level	High Purity / Low Impurity Content



CHEMICAL CHARACTERISTICS

- Strong inorganic acid
- Highly corrosive
- Powerful dehydrating agent
- Strong oxidizing properties at elevated temperatures
- High thermal stability
- Suitable for demanding industrial processes

PRODUCTION PROCESS

World Acid utilizes a controlled multi-stage production process designed to achieve high conversion efficiency, operational consistency, and reliable product quality.

MAIN PRODUCTION STAGES

SULFUR COMBUSTION

CATALYTIC CONVERSION

ABSORPTION STAGE

CONTROLLED DILUTION

PRODUCTION PERFORMANCE

- High conversion efficiency (~98%)
- Stable concentration control
- Continuous monitoring systems
- Consistent industrial-grade quality
- Controlled emissions and environmental monitoring



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INDUSTRIAL APPLICATIONS

World Acid sulfuric acid supports a wide range of critical industrial sectors and operational processes.

POWER GENERATION & ENERGY PLANTS

Used in boiler treatment systems, cooling processes, and industrial energy applications requiring reliable chemical performance.

OIL REFINERIES, GAS TREATMENT & PETROCHEMICAL INDUSTRIES

Supports refining operations, desulfurization processes, chemical processing, and industrial treatment systems.

WATER TREATMENT & PURIFICATION SYSTEMS

Used in pH adjustment, purification systems, and industrial water treatment applications.

FERTILIZER & CHEMICAL MANUFACTURING

Supports the production of fertilizers, aluminum sulfate, industrial chemicals, and related manufacturing processes.

INDUSTRIAL MANUFACTURING

Used across large-scale industrial operations requiring stable, high-purity chemical input materials.

BATTERY MANUFACTURING

Utilized in industrial battery production and specialized chemical applications.

PACKAGING & SUPPLY OPTIONS

World Acid offers flexible industrial supply solutions tailored to operational requirements and project scale.

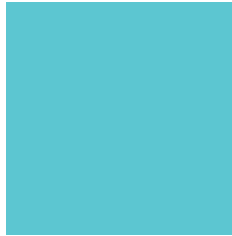
SUPPLY OPTIONS

- Bulk tanker delivery
- Industrial storage transfer
- Contract-based continuous supply
- Scheduled industrial delivery programs

LOGISTICS INFRASTRUCTURE

- A fleet of 8 dedicated stainless-steel tankers.
- Advanced offloading systems
- Controlled bulk handling procedures
- Efficient dispatch and routing systems





PRODUCTION CAPACITY & OPERATIONAL STRENGTH

OPERATIONAL CAPABILITY

Annual Production Capacity
Storage Capacity
Operations
Operational Reliability
Delivery Coverage
Local Delivery Timeline

CAPACITY

~47,000 Tons
~3,300 Tons
24/7 Continuous Operations
99.5%
Across Iraq & Internationally
24–48 Hours



WHY CHOOSE WORLD ACID HYDROCHLORIC ACID?

ADVANCED DCDA PRODUCTION TECHNOLOGY

Our sulfuric acid is produced using modern DCDA systems that improve efficiency, concentration stability, and product consistency.

LARGE-SCALE INDUSTRIAL CAPABILITY

Production infrastructure designed to support continuous industrial demand and high-volume supply requirements.

INTEGRATED SUPPLY CHAIN

Manufacturing, storage, logistics, and transportation managed through one coordinated operational system.

STRATEGIC LOCAL ADVANTAGE

Operationally positioned in Sulaymaniyah for faster regional access and reduced delivery lead times.

RELIABLE OPERATIONAL PERFORMANCE

Strict monitoring, controlled handling systems, and continuous operational oversight support dependable industrial supply.

HEALTH, SAFETY & ENVIRONMENTAL RESPONSIBILITY

SAFETY-FOCUSED OPERATIONS

Safety systems are integrated throughout production, storage, transportation, and delivery operations to protect personnel, facilities, and surrounding environments.

OPERATIONAL SAFETY SYSTEMS INCLUDE:

- Automated shutdown systems
- Pressure and temperature monitoring
- Leak detection technologies
- Emergency response procedures
- Controlled handling and storage systems

ENVIRONMENTAL CONTROL SYSTEMS

Closed-Loop & Emission-Controlled Production

Production systems are designed with:

- Closed-loop operational processes
- Gas scrubbing systems
- Emission-control technologies
- Environmental monitoring systems

These measures help minimize atmospheric releases and support environmentally responsible operations.

WATER CONSERVATION SYSTEMS

Condenser technologies and dry cooling systems are utilized to reduce operational water consumption and improve environmental efficiency.

CONTINUOUS MONITORING & COMPLIANCE

Real-time operational monitoring combined with inspections, safety drills, and documented procedures helps maintain continual compliance with operational and environmental standards.

RESPONSIBLE OPERATIONS & TRACEABILITY

Full documentation and monitoring of production, handling, logistics, and safety practices support traceability, accountability, and responsible industrial operations.



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QUALITY ASSURANCE

World Acid maintains strict operational and quality control procedures throughout all stages of production and supply.

Our quality assurance systems include:

- Continuous batch monitoring
- Production consistency checks
- Operational control procedures
- Documentation and traceability systems
- Compliance-focused operational standards

Space reserved for:

- ISO Certifications
- Quality Certifications
- Compliance Documentation
- Laboratory Testing Reports

RELIABLE SUPPLY FOR INDUSTRIAL OPERATIONS

At World Acid, sulfuric acid supply is built around one principle: ensuring our industrial partners receive dependable quality, operational consistency, and uninterrupted availability whenever they need it.

From production to delivery, every stage is managed through integrated operational systems designed to support industrial performance at scale.





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