SAFETY DATA SHEET (SDS)

Rev 1.0

Prepared: April 2026

GHS compliant | Rev 1.0 | Prepared: April 2026

GHS05 Corrosive	GHS06 Acute Toxicity	GHS08 Health Hazard

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

Product Name	Sulphuric Acid
Product Type	Sulfuric Acid - corrosive / irritant chemical
Chemical Family	Sulfuric Acid
CAS No. (Sulphuric Acid)	7664-93-9
CAS No. (Other Component)	N/A
Intended Use	Industrial / professional use as described on the SPC product page.
Restrictions on Use	Industrial / professional use only. Confirm suitability for final application before use.
Manufacturer / Supplier	Supreme Petro Chemicals
Address	Periyamet, Chennai - 600 003, Tamil Nadu, India
Emergency Contact	Sudarshan - 8197947045; Sanketh - 8608780096
Email	admin@supremepetrochemicals.com
SDS Revision Date	April 2026
SDS Version	1.0
Product Page URL	https://www.supremepetrochemicals.com/products/sulphuric-acid

SECTION 2 HAZARD IDENTIFICATION

Met. Corr. 1; Skin Corr. 1; Eye Dam. 1; Acute Tox. 2; STOT RE 1; Aquatic Chronic 1	
H314	H314: Causes severe skin burns and eye damage
H290	H290: May be corrosive to metals
H318	H318: Causes serious eye damage
H330	H330: Fatal if inhaled
H370	H370: See source GHS notification text
H372	H372: Causes damage to organs through prolonged or repeated exposure
H402	H402: See source GHS notification text
H410	H410: Very toxic to aquatic life with long lasting effects

Signal Word	DANGER

GHS Pictograms	GHS05 (Corrosive) | GHS06 (Acute Toxicity) | GHS08 (Health Hazard) | GHS09 (Environmental Hazard)

Hazard Statements:

- H314 - Causes severe skin burns and eye damage
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H410 - Very toxic to aquatic life with long lasting effects

H303 - See source GHS notification text

- P210 — Keep away from heat, hot surfaces, sparks, open flames. No smoking.
- P233 — Keep container tightly closed.
- P240 — Ground/bond container and receiving equipment.
- P241 — Use explosion-proof electrical/ventilating/lighting equipment.
- P242 — Use only non-sparking tools.
- P243 — Take precautionary measures against static discharge.
- P260 — Do not breathe vapours or spray.
- P271 — Use only outdoors or in a well-ventilated area.
- P272 — Contaminated work clothing should not be allowed out of the workplace.
- P273 — Avoid release to the environment.
- P280 — Wear protective gloves / eye protection / face protection.

Precautionary Statements (Response):

- P301+P310 — IF SWALLOWED: Immediately call a POISON CENTER or doctor.
- P303+P361+P353 — IF ON SKIN OR HAIR: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 — IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 — IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P331 — Do NOT induce vomiting.
- P312 — Call a POISON CENTER or doctor if you feel unwell.

Precautionary Statements (Storage & Disposal):

- P403+P235 — Store in a well-ventilated place. Keep cool.
- P405 — Store locked up.
- P501 — Dispose of contents/container in accordance with local regulations.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	EC No.	% w/w or concentration range	GHS Classification
Sulphuric Acid	7664-93-9	See ECHA / supplier SDS	100	Met. Corr. 1; Skin Corr. 1; Eye Dam. 1; Acute Tox. 2; STOT RE 1; Aquatic Chronic 1

Note: Percentages are by volume. Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Use product-specific first aid based on exposure route: move to fresh air after inhalation, wash skin, rinse eyes for at least 15 minutes, and seek medical advice after ingestion or persistent symptoms.
Skin Contact	Remove contaminated clothing. Wash affected skin thoroughly with water and soap where appropriate. Seek medical attention if symptoms persist.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical attention.
Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical advice.
Note to Physician	Treat symptomatically based on exposure route and product hazards.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing media appropriate for the product hazard classification. Fire may produce toxic or irritating fumes; firefighters should wear SCBA.
Unsuitable Media	Direct high-pressure water jet where it may spread the material.
Specific Hazards	Use extinguishing media appropriate for the product hazard classification. Fire may produce toxic or irritating fumes; firefighters should wear SCBA.
Fire & Explosion Risk	Dust or fine particulate may form combustible or irritating atmospheres depending on product. Avoid dust clouds and ignition sources. Containers may rupture when heated.
Protective Equipment for Firefighters	Wear full protective clothing and self-contained breathing apparatus (SCBA).
Special Procedures	Evacuate non-essential personnel. Prevent contaminated run-off from entering drains and waterways.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Isolate area, use PPE from Section 8, prevent environmental release, and collect material in compatible labelled containers.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses.
Containment Methods	Isolate area, use PPE from Section 8, prevent environmental release, and collect material in compatible labelled containers.
Clean-up Methods	Collect material into labelled containers for disposal through an approved waste contractor.
Reference to Sections	See Section 8 for PPE, Section 13 for disposal and Section 15 for regulatory information.

SECTION 7 HANDLING AND STORAGE

Handling Precautions	Use adequate ventilation, avoid contact and inhalation, and store tightly closed away from incompatible materials.
Hygiene	Wash hands after handling. Remove contaminated clothing before reuse. Do not eat, drink or smoke when using.
Storage Conditions	Use adequate ventilation, avoid contact and inhalation, and store tightly closed away from incompatible materials.
Storage Temperature	Store at ambient temperature unless supplier instructions specify otherwise.
Incompatible Materials	Strong oxidizers and product-specific incompatible substances; see supplier SDS before use.
Packaging	Store in original, tightly closed compatible containers. Inspect containers regularly for leakage or damage.

Segregation	Segregate from food, drink, animal feed and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	OEL (8h TWA)	STEL (15 min)	Standard	Notes
Sulphuric Acid	Use verified local OEL if established; otherwise ALARA/good industrial hygiene	Use verified local STEL/ceiling if established	OSHA/NIOSH/ACGIH/EU/UK/India	CAS 7664-93-9; supplier/regional OEL confirmation required.

Engineering Controls	Use closed handling/local exhaust for dust, mist, vapour or aerosol. Use explosion-proof ventilation and grounding for flammable liquids.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN respirator: organic vapour, acid gas, ammonia, or P95/P100 particulate cartridge as applicable. Use SCBA for emergencies.
Hand Protection	Wear compatible chemical-resistant gloves, e.g. nitrile, butyl, neoprene, PVC or laminate; select thickness/breakthrough time for the product and task.
Eye/Face Protection	Wear EN 166/ANSI Z87.1 chemical splash goggles; add face shield for splash, corrosive, dust, molten or pressure-transfer risk.
Body Protection	Wear chemical-resistant clothing/apron and safety footwear; use antistatic PPE where flammable vapours may occur.
Hygiene Measures	Provide eyewash and safety shower where appropriate. Wash after handling.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	The appearance or features of this compound, including color,
Odour	Sulfuric acid, spent appears as a black oily liquid. Corrosive to metals and tissue. Density 15 lb /gal. Liquid; Other Solid Clear, colourless or slightly brown, very corrosive oil
Odour Threshold	Not established in reviewed public source text
pH	Not applicable unless supplied/used as an aqueous solution. For acids, alkalis, salts, surfactants and aqueous grades, verify pH from supplier COA/SDS before release.
Melting/Freezing Point	50.65 °F (EPA, 1998) 51 °F (NIOSH, 2024)
Boiling Point / Range	554 °F at 760 mmHg (EPA, 1998) 212 °F at 760 mmHg (USCG, 1999)
Flash Point	Not applicable or not available from PubChem experimental text.
Auto-ignition Temperature	Not flammable (USCG, 1999) Not flammable (USCG, 1999) Decomposition Information on the decomposition of this compound, including the decomposition conditions and products.
Flammability Limits	See PubChem experimental properties.
Vapour Pressure	1 mmHg at 294.8 °F (EPA, 1998) 0.001 mmHg (NIOSH, 2024) 0.0000593 [mmHg]
Vapour Density	3.4 (EPA, 1998) - Heavier than air; will sink (Relative to Air)
Relative Density	Sulfuric acid, spent appears as a black oily liquid. Corrosive to metals and tissue. Density 15 lb /gal. Liquid; Other Solid Clear, colourless or slightly brown, very corrosive oil
Solubility in Water	Miscible (NIOSH, 2024) Miscible (NIOSH, 2024) Miscible with water, with generation of much heat, also with ethanol
Log Pow (Partition Coeff)	See PubChem experimental properties.
Evaporation Rate	See supplier SDS for grade-specific value
Viscosity	PEER REVIEWED 21 mPa.s at 25 °C Corrosivity The ability of a chemical to damage or destroy other substances when it comes into contact.

VOC Content	Assess per applicable regional VOC regulations
Reactivity	See Section 10 and source SDS for grade-specific reactivity

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat, ignition sources, contamination and incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Avoid contact with concentrated acids and halogens. Reactive with aluminium chloride ($AlCl_3$) under elevated temperature — not a concern in ambient blending or storage.
Hazardous Decomposition	Carbon oxides and irritating or toxic fumes may be formed in fire.
Hazardous Reactions	No hazardous reactions under normal storage unless noted by product reactivity.
Possibility of Hazardous React.	Will not occur under normal conditions when stored and handled correctly.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
Acute Dermal Toxicity	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
Acute Inhalation Toxicity	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
Skin Irritation	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
Eye Irritation	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
Sensitisation	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
Specific Target Organ (Single)	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
Specific Target Organ (Repeat)	Repeated exposure target-organ classification is present in Section 2; use exposure controls and medical surveillance as required.
Reproductive Toxicity	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
Aspiration Hazard	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
Carcinogenicity	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
Mutagenicity	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity (Acute)	Aquatic hazard is classified in Section 2. Prevent release; obtain LC50/EC50/NOEC values from supplier/ECHA/PubChem where required.

Aquatic Toxicity (Chronic)	Chronic aquatic hazard is classified or indicated in Section 2. Treat as environmentally hazardous unless verified otherwise.
Persistence / Degradability	Use supplier, ECHA or PubChem data where available. If not verified, do not assume ready biodegradability.
Bioaccumulation	Use verified log Kow/BCF data where available; UVCB/petroleum/surfactant materials need supplier formulation data.
Mobility in Soil	Assess from solubility, adsorption potential and product form. Prevent release to soil and groundwater.
Other Adverse Effects	Avoid uncontrolled release to the environment.
Environmental Regulations	Manage releases and waste under applicable local environmental regulations.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of contents through an authorized waste contractor in accordance with local regulations.
Contaminated Packaging	Empty containers may retain residues; handle as hazardous until cleaned or disposed.
European Waste Code	Assign waste code according to actual process and local regulation.
Indian Regulations	Follow local hazardous waste and pollution control requirements.

SECTION 14 TRANSPORT INFORMATION

Parameter	UN / ADR (Road)	IMDG (Sea)	IATA (Air)	Notes
UN Number	UN 1830	UN 1830	UN 1830	PubChem transport text / DOT ERG source
Proper Shipping Name	SULFURIC ACID WITH MORE THA	SULFURIC ACID WITH MORE THA	SULFURIC ACID WITH MORE THA	
Class	8	8	8	Transport class
Packing Group	Verify	Verify	Verify	
Marine Pollutant	Verify / likely Yes if IMDG criteria met	Verify / likely Yes if IMDG criteria met	—	Aquatic hazard present; confirm marine pollutant status from IMDG/supplier data.
Tunnel Restriction	Verify	—	—	ADR
EmS (Sea)	—	Verify	—	IMDG
Special Provisions	Follow applicable ADR requirements.	Follow applicable IMDG requirements.	Follow applicable IATA requirements.	Verify current carrier rules before shipment

Packaging: approved compatible container appropriate to the product. UN-certified drum required for international transport. Drum must be labelled with Class 3 placard, UN 1830, PG II, and product name.

SECTION 15 REGULATORY INFORMATION

EU / REACH	Observe REACH and CLP requirements where applicable.
EU CLP Regulation	Classified and labelled according to the product-specific GHS/CLP classification listed in Section 2.
EU Directive	Observe applicable workplace chemical, VOC and environmental requirements.
OSHA (USA)	Prepared in OSHA HCS/HazCom aligned 16-section SDS format.

India	Observe applicable Indian MSIHC, workplace, storage, transport, pollution-control and hazardous-waste requirements.
China (GB Standards)	Use applicable GB/T SDS and classification requirements where marketed.
Middle East / GCC	Observe applicable GHS-aligned local requirements.
TSCA (USA)	Verify TSCA inventory/SNUR status before US import or distribution; mixture/UVCB status may require supplier confirmation.
Australia (AICS)	Check inventory status before export or import.
Special Notes	No product-specific special note beyond the classification in Section 2.
Canada WHMIS / HPR	Classify/label under WHMIS 2015/HPR using Section 2 classification; Canadian sale may require bilingual SDS/label and ingredient disclosure.
Regulatory Scope Limitation	Final market placement requires confirmation of inventory status, local OELs, transport class, waste code and restrictions.

SECTION 16 OTHER INFORMATION

Full Text of H-Statements:

- H314 - Causes severe skin burns and eye damage
- H290 - May be corrosive to metals
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- H330 - Fatal if inhaled
- H370 - See source GHS notification text
- H372 - Causes damage to organs through prolonged or repeated exposure
- H402 - See source GHS notification text

H410 - Very toxic to aquatic life with long lasting effects

Prepared By	Supreme Petro Chemicals - Technical Department
SDS Standard	UN GHS Rev.11 (2025); OSHA HCS/HazCom; EU CLP/REACH Annex II; Canada WHMIS/HPR 16-section SDS format
Revision Date	22 April 2026
Version	1.0
Replaces Version	N/A - Initial Issue
Key Sources	SPC product page; original SPC SDS template; consolidated SDS audit CSV dated 27 April 2026; UN GHS Rev.11 Annex 4; OSHA HCS Appendix D; EU REACH Annex II/CLP; Canada WHMIS/HPR; PubChem, ECHA, NIOSH/OSHA, CAMEO and public supplier SDS/transport references where available. Accessed April 2026.
Audit Correction Note	Corrected from audit findings. Verification-required items need supplier formulation, test or regulatory data before market-specific release.

H303 - See source GHS notification text