SUPREME PETRO CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS · SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road, Periyamet, Chennai – 600003, India
Sanketh +91 86087 80096
Sudarshan +91 81979 47045
admin@supremepetrochemicals.com

SAFETY DATA SHEET (SDS)

Acid Slurry *SDS*

REV 3.1
29 JULY 2026
GHS REV.11 (2025)

CAS **27176-87-0** EC **248-289-4** SIGNAL WORD **DANGER**

GHS05
Corrosive

GHS07
Harmful / Irritant

GHS09
Environmental Hazard

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

Product Name	Acid Slurry
Product Type	Linear alkyl benzene sulphonic acid / acid slurry
Chemical Family	Anionic surfactant acid
CAS No.	27176-87-0
EC No.	248-289-4
Intended Use	Industrial / professional chemical use as listed on the SPC product page.
Restrictions on Use	Industrial / professional use only. Do not use in consumer or medicinal applications unless separately qualified.
Supplier	Supreme Petro Chemicals
Address	No. 145, 1st Floor, Raja Muthiah Road, Periyamet, Chennai – 600003, India
Emergency Contact	Sanketh — +91 86087 80096 · Sudarshan — +91 81979 47045
Email	admin@supremepetrochemicals.com
Product Page	https://www.supremepetrochemicals.com/products/acid-slurry
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Acute Tox. 4 (Oral); Skin Corr. 1C; Eye Dam. 1; Aquatic Chronic 3

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Signal Word	DANGER
GHS Pictograms	GHS05 (Corrosive) | GHS07 (Harmful / Irritant) | GHS09 (Environmental Hazard)
Other GHS Hazard Classes	Not classified for unlisted hazard classes based on reviewed source data.

HAZARD STATEMENTS

- H302 — Harmful if swallowed
- H314 — Causes severe skin burns and eye damage
- H412 — Harmful to aquatic life with long lasting effects

PRECAUTIONARY — PREVENTION

- 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 — RESPONSE / STORAGE / DISPOSAL

- 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.
- P405 — Store locked up.
- P501 — Dispose of contents/container in accordance with local regulations.

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SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	EC NO.	% W/W	GHS CLASSIFICATION
Linear alkylbenzene sulphonic acid (LABSA)	27176-87-0	248-289-4	90–96	Skin Corr. 1C; Eye Dam. 1; Acute Tox. 4 (Oral)
Water / process moisture	7732-18-5	231-791-2	Balance	Not classified

Percentages are approximate by weight. Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Remove exposed person to fresh air. For corrosive mist exposure, seek medical attention promptly.
Skin Contact	Remove contaminated clothing immediately. Wash affected skin thoroughly with copious water for at least 15 minutes. Seek medical attention if symptoms persist or burns are present.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention immediately.
Ingestion	Rinse mouth with water. Do not induce vomiting. Seek medical advice immediately.
Note to Physician	Treat symptomatically based on exposure route and product hazards. Product is corrosive; burns should be assessed by a physician.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Water spray, foam, dry chemical or carbon dioxide.
Unsuitable Media	Do not use direct high-pressure water jet where it may spread the material.
Specific Hazards	Thermal decomposition may produce sulphur oxides and irritating fumes. Containers may rupture when heated.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA).
Special Procedures	Evacuate non-essential personnel. Prevent contaminated fire-fighting run-off from entering drains and waterways.

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SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use acid-resistant PPE (gloves, goggles, face shield, chemical-resistant suit). Keep unnecessary personnel away. Avoid breathing vapours or mist.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses. Notify authorities if a significant release occurs.
Containment / Clean-up	Dike the spill. Neutralise cautiously only by trained personnel. Collect material into labelled, compatible containers for disposal through an approved waste contractor.
Reference to Sections	See Section 8 for PPE details, Section 13 for disposal and Section 15 for regulatory information.

SECTION 7 HANDLING AND STORAGE

Handling Precautions	Avoid contact with skin and eyes. Avoid breathing vapours or mist. Use acid-resistant equipment and pipework.
Hygiene	Wash hands thoroughly after handling. Remove contaminated clothing before reuse. Do not eat, drink or smoke when using this product.
Storage Conditions	Store in original, tightly closed acid-resistant containers. Inspect containers regularly for leakage or damage.
Storage Temperature	Store at ambient temperature unless supplier instructions specify otherwise.
Incompatible Materials	Strong alkalis, oxidising agents (nitric acid, permanganates, peroxides), reactive metals (aluminium, zinc). See Section 10.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	No specific OEL established for LABSA (CAS 27176-87-0) under OSHA/NIOSH/ACGIH/EU/India. Apply ALARA / good industrial hygiene practice. Consult supplier and regional authority for current limits.
Engineering Controls	Use closed handling systems and/or local exhaust ventilation to control mist and vapour. Ensure adequate general ventilation.

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Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN-approved acid-gas respirator. Use SCBA for emergencies or where concentrations are unknown.
Hand / Eye / Skin	Gloves: chemical-resistant (nitrile, butyl, neoprene or PVC); select thickness/breakthrough time for the task. Eyes/Face: EN 166/ANSI Z87.1 chemical splash goggles; add face shield for splash risk. Body: chemical-resistant apron/clothing and safety footwear. Provide eyewash station and safety shower at the worksite.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown viscous acidic liquid.
Odour	Characteristic (sulphonated organic).
Odour Threshold	Not established.
pH	Strongly acidic (typically < 1 for neat product; pH increases significantly on dilution/neutralisation).
Melting / Freezing Point	See supplier specification (LABSA paste sets in cold conditions; typically flows above ~15–20°C).
Boiling Point / Range	See supplier specification (water content boils at 100°C; pure LABSA decomposes before boiling).
Flash Point	Not normally classified as flammable. No flash point applicable to commercial acid slurry paste.
Auto-ignition Temperature	Not established.
Flammability Limits	Not established.
Vapour Pressure	Low (principally from water content); not established for the mixture.
Vapour Density (air = 1)	Not established.
Relative Density	Approx. 1.05–1.06 at 25°C (typical commercial grade; confirm with supplier CoA).
Solubility in Water	Dispersible / soluble with dilution, heat or neutralisation.
Log Pow (Partition Coeff.)	Not established for commercial grade mixture.
Evaporation Rate	Not established.
Viscosity	Viscous paste / liquid; see supplier specification.
VOC Content	Assess per applicable regional VOC regulations.

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SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat, ignition sources, contamination and contact with incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Strong alkalis (causes rapid neutralisation and heat generation). Reactive metals (aluminium, zinc — may generate hydrogen gas). Avoid contact with concentrated acids and halogens.
Hazardous Decomposition	Carbon oxides, sulphur oxides (SOx), and irritating or toxic fumes may be formed in fire or at very high temperatures.
Hazardous Reactions	No hazardous polymerisation. Neutralisation with strong alkalis is exothermic — control rate and temperature. Will not decompose under normal storage conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Harmful if swallowed (Acute Tox. 4; H302). Numeric LD50 data requires supplier/test confirmation.
Acute Dermal Toxicity	Corrosive to skin (Skin Corr. 1C; H314). Quantitative dermal LD50 data requires supplier confirmation.
Acute Inhalation Toxicity	Mist / vapour may irritate the respiratory tract. No numeric LC50 established; avoid inhalation.
Skin Irritation	Classified as corrosive (Skin Corr. 1C) — causes severe burns on contact.
Eye Irritation	Classified as causing serious eye damage (Eye Dam. 1; H314) — immediate and thorough rinsing essential.
Sensitisation	Not classified as a skin or respiratory sensitiser. Supplier confirmation recommended.
Carcinogenicity	Not classified. Endpoint-specific data requires supplier/regulatory confirmation.
Mutagenicity	Not classified. Endpoint-specific data requires supplier/regulatory confirmation.

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SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	Classified Aquatic Chronic 3 (H412). Obtain LC50/EC50/NOEC values from supplier, ECHA or PubChem where regulatory submission is required.
Persistence / Degradability	LABSA is considered readily biodegradable under standard OECD test conditions; confirm with supplier data.
Bioaccumulation	Low bioaccumulation potential expected for surfactant LABSA; confirm with supplier log Kow/BCF data.
Mobility in Soil	Soluble/dispersible fraction may migrate to groundwater. Prevent release to soil and watercourses.
Other Adverse Effects	Avoid uncontrolled release to the environment. Manage releases and waste under applicable local environmental regulations.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of contents through an authorised waste contractor in accordance with local / national regulations. Do not pour into drains or watercourses.
Contaminated Packaging	Empty containers may retain residues; treat as hazardous until cleaned to industry standards or disposed of as hazardous waste.
Indian Regulations	Follow applicable Hazardous Waste (Management, Handling and Transboundary Movement) Rules and CPCB / SPCB requirements. Assign waste code according to actual process and applicable regulation.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	UN 2586	UN 2586	UN 2586
Proper Shipping Name	ARYLSULPHONIC ACIDS, LIQUID	ARYLSULPHONIC ACIDS, LIQUID	ARYLSULPHONIC ACIDS, LIQUID
Class	8	8	8
Packing Group	III	III	III
Marine Pollutant	No	No	—

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PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
EmS (Sea)	—	F-A, S-B	—
Tunnel Restriction (ADR)	E	—	—

Packaging: UN-certified acid-resistant drum/container appropriate for Class 8. Label with Class 8 corrosive placard, UN 2586, PG III and product name. Verify carrier and concentration-specific rules before shipment.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Observe REACH and CLP requirements where applicable. Classified and labelled per GHS/CLP classification in Section 2. Observe applicable workplace chemical, VOC and environmental requirements.
OSHA (USA)	Prepared in OSHA HCS/HazCom aligned 16-section SDS format. Verify TSCA inventory / SNUR status before US import or distribution; UVCB/mixture status may require supplier confirmation.
India	Observe applicable Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, Hazardous Waste Rules, and CPCB/SPCB environmental requirements.
Other Jurisdictions	Canada WHMIS 2015/HPR: classify and label using Section 2 classification; Canadian sale may require bilingual SDS and ingredient disclosure. China: use applicable GB/T SDS and classification requirements. Australia: check AICS inventory status before export or import. Final market placement requires confirmation of inventory status, local OELs, transport class, waste code and applicable restrictions.

SECTION 16 OTHER INFORMATION

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 format
Revision Date	24 June 2026
Version	3.0 (supersedes prior issues)
Disclaimer	Information is given in good faith and believed accurate at issue. It does not constitute a specification or guarantee; the user is

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responsible for safe use, handling and compliance.

FULL TEXT OF H-STATEMENTS

- H302 — Harmful if swallowed
- H314 — Causes severe skin burns and eye damage
- H412 — Harmful to aquatic life with long lasting effects