



SUPREME PETRO
CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
Periyamet, Chennai – 600003, India
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SAFETY DATA SHEET (SDS)

Alphox 200 SDS

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

CAS 9016-45-9 EC Polymer / UVCB (no single EC No. assigned) SIGNAL WORD DANGER

GHS05

Corrosive / Eye Damage

GHS07

Harmful / Irritant

GHS09

Environmental Hazard

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

Product Name	Alphox 200
Product Type	Nonylphenol ethoxylate 9.5 mol
Chemical Family	Alkylphenol ethoxylate – non-ionic surfactant
CAS No.	9016-45-9
EC No.	Polymer / UVCB (no single EC No. assigned)
Intended Use	Industrial / professional use as listed on the SPC product page.
Restrictions on Use	Industrial / professional use only. Confirm grade suitability before regulated or consumer use.
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/alphox-200
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Acute Tox. 4 (Oral); Eye Dam. 1; Aquatic Acute 1; Aquatic Chronic 1

Signal Word DANGER



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

HAZARD STATEMENTS

- H302 — Harmful if swallowed
- H318 — Causes serious eye damage
- H400 — Very toxic to aquatic life
- H410 — Very toxic to aquatic life with long lasting effects

PRECAUTIONARY — PREVENTION

- 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 — 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.



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- P312 — Call a POISON CENTER or doctor if you feel unwell.
- 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	GHS CLASSIFICATION
Nonylphenol ethoxylate 9.5 mol	9016-45-9	Polymer / UVCB	100	Acute Tox. 4 (Oral); Eye Dam. 1; Aquatic Acute 1; Aquatic Chronic 1

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Move to fresh air. If symptoms persist, obtain medical attention.
Skin Contact	Remove contaminated clothing. Wash affected skin thoroughly with water and soap. 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 immediate medical attention — serious eye damage hazard (H318).
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	Water spray, foam, dry chemical or carbon dioxide suitable for surrounding fire.
Unsuitable Media	Direct high-pressure water jet where it may spread the material.
Specific Hazards	Combustion may produce irritating or toxic fumes including carbon oxides. Containers may rupture when heated.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA).



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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	Evacuate non-essential personnel. Avoid contact with eyes and skin. Wear appropriate PPE (see Section 8).
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses — substance is very toxic to aquatic life (H400/H410).
Containment / Clean-up	Contain spill and absorb with inert material (sand, earth, vermiculite). Collect into labelled containers for disposal through an approved waste contractor.
Reference to Sections	See Section 8 for PPE, Section 13 for disposal, Section 15 for regulatory information.

SECTION 7 HANDLING AND STORAGE

Handling Precautions	Avoid contact with eyes and skin. Prevent environmental release due to aquatic toxicity. Keep container tightly closed when not in use.
Hygiene	Wash hands after handling. Remove and wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.
Storage Conditions	Store in original, tightly closed compatible containers. Inspect regularly for leakage or damage. Store away from strong oxidisers.
Storage Temperature	Store at ambient temperature unless supplier instructions specify otherwise.
Incompatible Materials	Strong oxidisers (nitric acid, chlorine, permanganates, peroxides); concentrated acids; halogens. Reactive with aluminium chloride (AlCl ₃) at elevated temperature.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	No established OEL for Nonylphenol ethoxylate 9.5 mol (CAS 9016-45-9). Apply ALARA / good industrial hygiene practice. Use verified local OEL if established by OSHA / NIOSH / ACGIH / EU / UK / India.
Engineering Controls	Use closed handling systems or local exhaust ventilation for mist, vapour or aerosol. Use explosion-proof ventilation and grounding



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	where flammable vapours may be generated.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN-approved respirator with organic vapour or P95/P100 particulate cartridge as applicable. Use SCBA in emergencies.
Hand / Eye / Skin	Gloves: compatible chemical-resistant gloves (nitrile, butyl, neoprene, PVC or laminate); select breakthrough time appropriate for product and task. Eyes: EN 166 / ANSI Z87.1 chemical splash goggles; add face shield for splash or corrosive risk. Body: chemical-resistant clothing/apron and safety footwear. Provide eyewash and safety shower at the workstation.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear to pale yellow viscous liquid.
Odour	Characteristic.
Odour Threshold	Not established.
pH	Approx. neutral in dilute aqueous solution; grade-dependent.
Melting / Freezing Point	See supplier specification. (Typical NPE-9.5 pour point: approx. 0–5 °C — confirm with supplier.)
Boiling Point / Range	See supplier specification. (NPE class: typically >250 °C — confirm with supplier.)
Flash Point	Typically >100 °C (closed cup). Confirm with supplier certificate of analysis.
Auto-ignition Temperature	Not established.
Flammability Limits	Not established.
Vapour Pressure	Not established (very low — high-MW ethoxylate).
Vapour Density (air = 1)	Not established.
Relative Density	Approx. 1.04–1.07 at 20 °C.
Solubility in Water	Soluble / dispersible.
Log Pow (Partition Coeff.)	Not established for supplied commercial grade (UVCB substance).
Evaporation Rate	Not established.
Viscosity	Viscous liquid; see supplier specification.
VOC Content	Assess under applicable local VOC rules.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
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Conditions to Avoid	Avoid heat, ignition sources, contamination and incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). 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	Will not occur under normal conditions when stored and handled correctly.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Classified Acute Tox. 4 (H302 – Harmful if swallowed). Numeric LD ₅₀ data requires supplier/study confirmation.
Acute Dermal Toxicity	Not classified. Endpoint-specific data requires supplier confirmation.
Acute Inhalation Toxicity	Not classified. Avoid breathing mist or aerosol; endpoint data requires supplier confirmation.
Skin Irritation	Not classified. May cause mild irritation on prolonged contact; confirm with supplier data.
Eye Irritation	Classified Eye Dam. 1 (H318 – Causes serious eye damage). Seek immediate medical attention on eye contact.
Sensitisation	Not classified. Endpoint data requires supplier/test confirmation.
Carcinogenicity	Not classified. Endpoint data requires supplier/test confirmation.
Mutagenicity	Not classified. Endpoint data requires supplier/test confirmation.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	Classified Aquatic Acute 1 (H400) and Aquatic Chronic 1 (H410) – very toxic to aquatic life with long lasting effects. Obtain LC ₅₀ /EC ₅₀ /NOEC values from supplier, ECHA or PubChem where required.
Persistence / Degradability	If not verified, do not assume ready biodegradability. Obtain supplier or ECHA data.
Bioaccumulation	Use verified log Kow / BCF data where available. UVCB / surfactant materials require supplier formulation data for accurate assessment.



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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. 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 regulations.
Contaminated Packaging	Empty containers may retain residues; handle as hazardous until cleaned or disposed. Assign waste code according to actual process and local regulation.
Indian Regulations	Follow applicable Indian Hazardous and Other Wastes (Management and Transboundary Movement) Rules, MSIHC Rules, and State Pollution Control Board requirements.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	UN 3082	UN 3082	UN 3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S. (Nonylphenol Ethoxylate)	Environmentally Hazardous Substance, Liquid, N.O.S. (Nonylphenol Ethoxylate)	Environmentally Hazardous Substance, Liquid, N.O.S. (Nonylphenol Ethoxylate)
Class	9	9	9
Packing Group	III	III	III
Marine Pollutant	Verify / likely Yes if IMDG criteria met	Verify / likely Yes if IMDG criteria met	—

Environmentally hazardous liquid. Verify active grade and local exemptions before shipment. UN-certified drum required for international transport. Label with Class 9 placard, UN 3082, PG III and product name. IMDG EmS: F-A, S-F. Follow applicable ADR / IMDG / IATA requirements. Confirm marine pollutant status from IMDG list / supplier data.

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.
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OSHA (USA)	Prepared in OSHA HCS / HazCom aligned 16-section SDS format. Verify TSCA inventory / SNUR status before US import or distribution; mixture/UVCB status may require supplier confirmation.
India	Observe applicable Indian MSIHC Rules, Factories Act, Environment Protection Act, Hazardous Waste Rules, Water and Air (Prevention and Control of Pollution) Acts, and relevant BIS / CPCB requirements.
Other Jurisdictions	Canada WHMIS 2015 / HPR: classify and label per Section 2 classification; Canadian sale may require bilingual SDS/label and ingredient disclosure. China: apply applicable GB/T SDS and classification requirements where marketed. Australia AICS: check inventory status before export or import. Middle East / GCC: observe applicable GHS-aligned local requirements. Final market placement requires confirmation of inventory status, local OELs, transport class, waste code and 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 responsible for safe use, handling and compliance.

FULL TEXT OF H-STATEMENTS

- H302 — Harmful if swallowed
- H318 — Causes serious eye damage
- H400 — Very toxic to aquatic life
- H410 — Very toxic to aquatic life with long lasting effects