Chemical Store Inc.
1059 Main Ave., Clifton, NJ 07011
Tel: +1 (973) 405-6248

SAFETY DATA SHEET

Nonylphenol Ethoxylate NP-9

Product Code NP9 | CAS 127087-87-0

SECTION 1 — IDENTIFICATION

Product	Nonylphenol Ethoxylate NP-9
Product code	NP9
CAS number	127087-87-0
Product type	Nonionic surfactant; nominal 9-mole ethoxylate
Recommended applications	Cleaners and detergents; paper and textile processing; laundry; paints and coatings; dust control; agrochemicals; metalworking fluids. Suitability for a specific use must be evaluated.
Manufacturer	The Dow Chemical Company (Subject to change)
Distributor	Chemical Store Inc., 1059 Main Avenue, Clifton, NJ 07011, USA
Contact	ChemicalStore.com | info@ChemicalStore.com | (973) 405-6248
Emergency contact	+1 (973) 420-4972

SECTION 2 — HAZARDS IDENTIFICATION

OSHA HCS classifications	Acute toxicity (oral), Category 4; Acute toxicity (inhalation), Category 4; Serious eye damage, Category 1.
Signal word	DANGER
Pictograms	GHS05 (corrosion/serious eye damage); GHS07 (exclamation mark).
Hazard statements	H302 + H332: Harmful if swallowed or if inhaled. H315 Causes skin irritation . H318: Causes serious eye damage.
Additional hazard information	Corrosive to the respiratory tract. Slipping hazard from spills. Material is highly toxic to aquatic organisms; see Sections 12 and 14.
Prevention	P261 Avoid breathing mist or vapours. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear eye protection/face protection.
Response	P301+P312+P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell; rinse mouth. P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing; call a POISON CENTER/doctor if you feel unwell. P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes; remove contacts if easy; continue rinsing; immediately call a POISON CENTER/doctor.
Disposal	P501 Dispose of contents/container to an approved waste disposal facility.



SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Substance — Nonylphenol ethoxylated (commercial distribution of ethoxylate homologues).

	CAS No.	**Concentration**
4-Nonylphenol branched, ethoxylated	127087-87-0	97.0 –100.0 %
Poly(ethylene oxide)	25322-68-3	0.1 – 3.0 %
Dinonylphenyl polyoxyethylene	9014-93-1	0.1 – 2.0 %

Chemical Store Inc.
1059 Main Ave., Clifton, NJ 07011
Tel: +1 (973) 405-6248

SECTION 4 — FIRST-AID MEASURES

General	First-aid responders should use chemical-resistant gloves and splash protection.
Inhalation	Move to fresh air and keep comfortable for breathing. If not breathing, provide assisted ventilation with rescuer protection; oxygen by qualified personnel if needed. Call a physician or transport to medical care.
Skin	Wash with plenty of water. Remove contaminated clothing. Seek advice if symptoms persist.
Eyes	Immediately flush with water; remove contacts after first five minutes if possible; continue flushing for at least 15 minutes. Obtain medical attention without delay, preferably ophthalmologic evaluation.
Ingestion	Seek medical attention. Do not induce vomiting unless directed by medical personnel.
Symptoms	Harmful if swallowed or inhaled; serious eye damage; respiratory tract corrosion.
Physician	Maintain ventilation and oxygenation. No specific antidote; treat symptoms and clinical condition.

SECTION 5 — FIRE-FIGHTING MEASURES

Suitable media	Water fog/fine spray, dry chemical, carbon dioxide, foam; alcohol-resistant foam preferred.
Unsuitable media	Direct water stream may spread burning material and cause violent steam generation when applied to hot liquid.
Combustion hazards	Smoke and irritating/toxic combustion products, including carbon monoxide and carbon dioxide.
Protection	Positive-pressure self-contained breathing apparatus and full firefighting clothing. Fight from protected location if necessary.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions	Isolate area; keep unprotected personnel away; remain upwind; ventilate. Avoid contact and inhalation of mist/vapour. Slippery surfaces may result.
Environmental	Prevent entry to soil, ditches, sewers, waterways and groundwater.
Containment and cleanup	Contain leak if safe; absorb with sand, earth or vermiculite; place in suitable labeled containers. Do not use water for cleanup. Dispose per Section 13.

SECTION 7 — HANDLING AND STORAGE

Handling	Avoid contact with eyes, skin and clothing; avoid breathing vapour or mist. Do not swallow. Wash after handling. Keep container closed; use with adequate ventilation.
Special handling hazard	Spills on hot fibrous insulation may lower autoignition temperature and potentially lead to spontaneous combustion.
Storage	No special storage requirements. Keep closed under moderate temperatures and protect against contamination.
Storage stability	24 months for unopened containers stored at moderate temperatures; not a guarantee for repackaged containers or material with unknown manufacture date.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guideline	Poly(ethylene oxide): US WEEL TWA aerosol 10 mg/m³ (manufacturer SDS); this is not an OSHA PEL.
Engineering controls	Adequate ventilation; local exhaust as needed to control airborne mist/vapour.
Eye/face	Chemical goggles; add face shield for splash-intensive operations.
Gloves	Chemically resistant gloves for repeated/prolonged contact; butyl rubber, chlorinated polyethylene, polyethylene and EVAL laminate as preferred barrier materials. Verify glove suitability and breakthrough time.
Body	Clean body-covering protective clothing.
Respiratory	Use appropriate approved respiratory protection when airborne exposure may exceed guidelines or cannot be adequately controlled; organic-vapour cartridge with particulate prefilter may be suitable. Emergency conditions may require positive-pressure SCBA.

Chemical Store Inc.
1059 Main Ave., Clifton, NJ 07011
Tel: +1 (973) 405-6248

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical state / color	Liquid; pale yellow, slightly hazy
Odor	Mild
pH / odor threshold	No test data available
Freezing point	3.8 °C (calculated)
Boiling point	>250 °C at 760 mmHg (calculated); decomposes before boiling
Flash point	247 °C (closed cup, ASTM D93); 282 °C (open cup, ASTM D92)
Vapor pressure	<0.01 mmHg at 20 °C (calculated)
Relative vapor density	>1 (air=1; calculated)
Relative density	1.057 at 20 °C/20 °C (calculated)
Water solubility	Partly soluble
Partition coefficient	log Pow 2.1–3.4 (calculated)
Kinematic viscosity	237 cSt at 25 °C (calculated)
Molecular weight	616 g/mol (calculated)
Flammability	Not expected to be a static-accumulating flammable liquid
Other data	Autoignition temperature, decomposition temperature, explosion limits, evaporation rate: no test data available. Particle size not applicable.
Data qualification	Manufacturer describes physical data as typical values, not product specifications.

SECTION 10 — STABILITY AND REACTIVITY

Reactivity	No data available.
Stability	Thermally stable at typical use temperatures.
Hazardous reactions	Polymerization will not occur.
Avoid	Elevated temperatures may cause decomposition.
Incompatibilities	Strong acids, strong bases, strong oxidizers.
Decomposition	Depends on temperature, air supply and other materials; see Section 5.

SECTION 11 — TOXICOLOGICAL INFORMATION

Likely exposure routes	Ingestion, inhalation, skin contact, eye contact.
Acute oral toxicity	Harmful if swallowed. Rat LD50 960–3,980 mg/kg, typical for this family of materials.
Acute dermal toxicity	Rabbit LD50 2,000–2,991 mg/kg, typical for this family; prolonged skin absorption of harmful amounts considered unlikely.
Acute inhalation toxicity	Harmful if inhaled. Rat LC50 (4-hour dust/mist) 1.15 mg/L, typical for this family; excessive mist exposure may cause severe effects.
Skin irritation	Not classified; prolonged contact may cause slight redness/irritation.
Eye damage	Causes serious eye damage, including potential corneal injury.
Respiratory effects	Corrosive to the respiratory tract. Vapour may irritate nose/throat.
Sensitization	Not classified for skin or respiratory sensitization on available information.
STOT repeated exposure	Not classified. Kidney and liver effects have been reported in animal studies for this family.
Carcinogenicity	Not classified; family-of-materials animal studies did not show carcinogenicity.
Developmental toxicity	Not classified. Fetal toxicity occurred in animals at maternally toxic doses; no birth defects reported.
Reproductive toxicity	Not classified based on available information.
Mutagenicity	Not classified; in-vitro genetic toxicity studies for this family were negative.
Aspiration hazard	Not classified based on physical properties.

SECTION 12 — ECOLOGICAL INFORMATION

Aquatic hazard	Highly toxic to aquatic organisms on an acute basis; avoid all uncontrolled discharge.
Fish	Fathead minnow (Pimephales promelas), 96-h LC50 0.218 mg/L (family-of-materials data).
Aquatic invertebrates	Ceriodaphnia dubia, 48-h EC50 0.328 mg/L (family data).
Chronic aquatic	Mysidopsis bahia, 21-day NOEC 0.0077 mg/L (family data).
Bacteria	16-h IC50 >1,000 mg/L (family data).

Chemical Store Inc.
1059 Main Ave., Clifton, NJ 07011
Tel: +1 (973) 405-6248

Biodegradability	Not readily biodegradable under stringent OECD screening: <60% in 28 days (OECD 301B or equivalent); does not mean incapable of biodegradation in all environments.
Bioaccumulation	Calculated log Pow 2.1–3.4; estimated fish BCF 5.9–48 for similar materials.
Mobility in soil	Product-specific data unavailable.
Data basis	Numerical ecotoxicity values are reported as family-of-materials information, not lot-specific tests.

SECTION 13 — DISPOSAL CONSIDERATIONS

General	Do not dump into sewers, on ground or into water. Follow all applicable federal, state and local rules; waste generator must determine classification.
Disposal methods	Use licensed permitted waste management facilities. Permitted incineration/thermal destruction or appropriately permitted wastewater treatment for unused/uncontaminated product; do not interpret as permission to discharge to drains.
Containers	Handle empty containers as potentially containing residues.

SECTION 14 — TRANSPORT INFORMATION

U.S. DOT	UN3082; Environmentally hazardous substance, liquid, n.o.s. (Nonylphenol polyethylene glycol ether); Class 9; Packing Group III; marine pollutant.
IMO/IMDG	UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nonylphenol polyethylene glycol ether); Class 9; PG III; marine pollutant; EmS F-A, S-F.
IATA/ICAO	UN3082; Environmentally hazardous substance, liquid, n.o.s. (Nonylphenol polyethylene glycol ether); Class 9; PG III.
Critical shipping note	Mode, package size, jurisdiction and exceptions can change the applicable shipping requirements. Shipper must determine the actual shipment classification; do not copy NP-10 DOT status to NP-9.

SECTION 15 — REGULATORY INFORMATION

EPCRA 311/312	Acute toxicity (any route of exposure); serious eye damage or eye irritation.
EPCRA Section 313	4-Nonylphenol branched, ethoxylated, CAS 127087-87-0, listed as reportable constituent; reporting depends on facility thresholds and conditions.
TSCA	All components comply with U.S. TSCA inventory listing requirements.
California Proposition 65	A chemical is present at or below its assessed safe-harbor level and therefore is not required to be listed on the manufacturer SDS/label. This determination is manufacturer/product-specific and should be reconfirmed for Chemical Store repackaging.
Pennsylvania Right-to-Know	No substances requiring reporting under the cited Pennsylvania statute, to its knowledge.
Applicability	Confirm current rules and jurisdiction-specific restrictions before placing product on market.

SECTION 16 — OTHER INFORMATION

Chemical Store SDS revision	Version 2.0 — November 5, 2026
Manufacturer source	The Dow Chemical Company, TERGITOL™ NP-9 Surfactant, SDS Version 18.0, issue date August 18, 2026. Sections 2–15 used as primary source.
Prior draft	Supersedes Chemical Store provisional NP9 SDS draft. Dow manufacturer information takes precedence where earlier generic-source values differ.
NFPA (manufacturer)	Health 2; Flammability 1; Instability 0.

Disclaimer

The information provided in this Safety Data Sheet is believed to be accurate and represents the best information currently available. However, no warranty, express or implied, is made regarding its accuracy, completeness, or suitability for any particular purpose. The user is responsible for determining the applicability of this information to their specific use and for compliance with all applicable laws and regulations.