



Carolina International Sales Co., Inc

MATERIAL SAFETY DATA SHEET

2522 Plantation Center Drive
Matthews, NC 28105
(704) 845 9440

www.ciscochem.com

1. PRODUCT NAME: Nonylphenol Ethoxylate
2. CHEMICAL NAME: NP-9
3. SYNONYMS:
4. CAS NUMBER: 127087-87-0
5. COMPOSITION: Nonylphenol Polyethylene Glycol Ether (127087-87-0)
97-98%

**IN CASE OF
TRANSPORT EMERGENCY
CONTACT CHEMTREC
USA: 1-800-424-9300
INTERNATIONAL: 1-703-527-3887**

6. PROPERTIES: ODOR & APPEARANCE: cloudy, colorless, viscous liquid with no odor
ODOR THRESHOLD: odorless
VAPOUR PRESSURE: not known – not volatile
EVAPORATION RATE (butyl Acetate=1): not known – not volatile
VAPOR DENSITY (air=1): not known – above 1
BOILING RANGE: above 250 c/482 F
FREEZING POINT: not known
SPECIFIC GRAVITY: 1.06 (20/20 c)
WATER SOLUBILITY: dispersible in water
IN OTHER SOLVENTS: soluble in alcohols, glycols, aromatic hydrocarbons, perchloroethylene; not soluble in aliphatic hydrocarbons; dispersible in animal and vegetable oils
VISCOSITY: not known
7. HAZARDS: HMIS (U.S.A): Health – 3, Fire – 1, Reactivity - 0
MATERIAL USE: non-ionic surfactant/detergent
8. FIRE FIGHTING INFORMATION: FLASH POINT: 247 c/477 F (P – M closed cup); 282 c/540 F
AUTOIGNITION TEMPERATURE: not known
FLAMMABLE LIMITS: not known
COMBUSTION PRODUCTS: carbon monoxide, nitrogen oxides, smoke, part oxidized hydrocarbon fragments
FIREFIGHTING PRECAUTIONS: foam, dry chemical, or as for materials sustaining fire; firefighters must wear SCBA
STATIC DISCHARGE: will not accumulate a static charge
MECHANICAL IMPACT: not sensitive
CHEMICAL STABILITY: stable; will not polymerize
REACTIVE WITH: strong oxidizing agents, strong acids, strong alkalies at high temperature
DECOMPOSITION PRODUCTS: begins to decompose above 250
9. PERSONAL PROTECTION MEASURES: HANDS: nitrile or rubber gloves recommended – but not required
EYES: safety glasses with side shields
VENTILATION: not required
CLOTHING: not required
10. FIRST AID PROCEDURES: SKIN: Wash with soap and plenty of water. Remove contaminated clothing and do not reuse until thoroughly cleaned or laundered.
EYES: Wash eyes with plenty of water, holding eyelids open. Seek medical assistance promptly if there is irritation.
INHALATION: Remove from contaminated area promptly. CAUTION: Rescuer must not endanger



Carolina International Sales Co., Inc

MATERIAL SAFETY DATA SHEET

2522 Plantation Center Drive
Matthews, NC 28105
(704) 845 9440

www.ciscochem.com

himself! If breathing stops, administer artificial respiration and seek medical aid promptly.
INGESTION: Give plenty of water to dilute product. Do not induce vomiting (NOTE below). Keep victim quiet. If vomiting occurs, lower victim's head below hips to prevent inhalation of vomited material. Seek medical help promptly.
NOTE: Inadvertent inhalation of vomited material may seriously damage the lungs. The risk and danger of this is greater than the risk of poisoning through absorption of this relatively low-toxicity product. The stomach should only be emptied under medical supervision, after the installation of an airway to protect the lungs.

11. EXPOSURE TWAEV ppm: not listed
LIMITS: LD50 ORAL: 2100
SKIN (mg/kg): not known
LC50ppm INHALATION: not known

12. TOXICOLOGICAL EFFECTS ACUTE EXPOSURE
INFORMATION: SKIN CONTACT: mild irritant
SKIN ABSORPTION: no
EYE CONTACT: severely irritating, may damage eyes
INHALATION: unlikely route of exposure for a viscous non-volatile substance
INGESTION: not known – likely to cause temporary diarrhoea
EFFECTS OF CHRONIC EXPOSURE
GENERAL: skin damage and scab formation at site of application (rabbit), also discoloration of some internal organs
SENSITISING: not a sensitizer
REPRODUCTIVE EFFECT: no known effect on humans, teratogenic in rats at doses near the LD50; reported estrogen mimic activity of NP-9 probably not relevant to human exposure due to very high doses used
SYNERGISTIC WITH: not known
LD50: RTECS Data - 2100mg/kg (oral, rat); Dow Data – 2830mg/kg (oral, rat male), 2330mg/kg (oral, rat female)
LC50: not known

13. ECOLOGICAL This product cannot accumulate in living tissue; this product is readily and rapidly biodegradable in the
INFORMATION: presence of oxygen: between 90% within 28 days and 42% within 20 days.

14. DISPOSAL DO NOT FLUSH TO SEWER; may be incinerated in approved facility, may be dumped in sanitary land-
CONSIDERATIONS: fill; may be treated in wastewater facility

15. CARCINOGENIC Not a tumorigen, not a carcinogen
PROPERTIES &
NOTIFICATIONS:

16. TRANSPORT USA 49 CFR
INFORMATION: Product identification number: UN – not regulated for transport
Shipping name: not regulated for transport
Classification: not regulated for transport
Label: none - not regulated for transport
Class: D 2b

17. HANDLING & Store and use away from heat and oxidizing agents. Shelf life is one year. Do not cut, drill, weld or grind
STORAGE: on or near this container. Avoid prolonged contact with skin and wash work clothes frequently. An eye



Carolina International Sales Co., Inc

MATERIAL SAFETY DATA SHEET

2522 Plantation Center Drive
Matthews, NC 28105
(704) 845 9440

www.ciscochem.com

bath and safety shower should be available near the workplace.

Note: There may be trace quantities of Ethylene Oxide in the container headspace. This substance is carcinogenic. Under no circumstances should the headspace be inhaled. Ordinary ventilation will ensure that any traces of Ethylene Oxide are well dispersed and cause no harm.

18. ACCIDENTAL LEAK PRECAUTION: dyke to control spillage and prevent environmental contamination.
RELEASE HANDLING SPILL: ventilate contaminated area; recover free liquid with suitable pumps; absorb residue
MEASURES: on an inert sorbent, pick up & store in closed containers for disposal.

19. REGULATORY TOXIC SUBSTANCES CONTROL ACT
INFORMATION: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.
All components of this product are either on the Canadian Domestic Substances List, and on the European EINECS Inventory, or are not required to be listed.