



**UNICHEM**  
SOLUTIONS

## PRODUCT DATA

Nonionic, NP-4 (nonylphenol-4) is clear, nearly colorless to yellow.

## PHYSICAL and CHEMICAL PROPERTIES

Properties	Unit	Value
Actives	wt%	100
Cloud Point <sup>(1)</sup>	-	Insoluble
HLB <sup>(2)</sup>	-	8,9
Moles EO	-	4
Pour Point <sup>(3)</sup>	°C	-28
Appearance	-	Pale yellow liquid
pH, 1% in 10:6 isopropanol/water	pH	7,2
Viscosity at 25°C (77°F)	cP	238
Density at 20°C (68°F)	g/mL	1,027
Flash Pt, Closed Cup	°C	218°C , 425°F

(1) Cloud point: °C, 1 wt% actives aqueous solution

(2) HLB Range: 10 o/w emulsifier, 10-15 good wetting, 12-15 detergents

## APPLICATION FIELDS

It can be used in phosphite antioxidants led phosphide for rubber and plastics; lube oil additives (corrosion inhibitor); agricultural chemicals, aromatic oils, germicides, anti-sludge agents.

## PACKAGING

50, 100, 250 kgs drum

## EXPIRY DATE

One year from production date.

## APPLICATIONS

It can be used in different percentages according to application field.

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## SAFETY DATA

Cas No: 104-40-5

## HAZARD IDENTIFICATION

Inhalation	Move person to fresh air; if effects occur, consult a physician.
Skin Contact	Immediately flush skin with water while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Contaminated leather items such as shoes should be disposed of properly. Safety shower should be located in immediate work area.
Eye Contact	Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Obtain medical attention without delay, preferably from an ophthalmologist. Eye wash fountain should be located in immediate work area.
Ingestion	If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.
Physical Chemical Hazards	Maintain adequate ventilation and oxygenation of the patient. Respiratory symptoms, including pulmonary edema, may be delayed. Persons receiving significant exposure should be observed 24-48 hours for signs of respiratory distress. If burn is present, treat as any thermal burn, after decontamination.

## HANDLING AND STORAGE

**Storage area:** No specific requirements. Additional storage and handling information on this product may be obtained by calling your sales or customer service contact. The shelf life given is for unopened containers stored under moderate temperature conditions.

**Packaging materials:** Coated plastics drum, IBC, barrel are used.

**Incompatibilities:** Avoid contact with: Strong acids, strong bases and strong oxidizers.

## TRANSPORT INFORMATION

Observe state and local environmental regulations as they relate to transportation. Proper sealing and leak proof containers should be used to prevent possible leakages.

ADR Class:	9	UN Class:	3082
RID Class:	9	ICAO Class:	9
ADNR Class:	Class 9: miscellaneous dangerous substance	IMDG Class:	9

## DISCLAIMER

The product should be used in accordance with the recommendations in the Technical Data Sheet. No legal liability can be accepted from 'UNICHEM SOLUTIONS' due to application-related problems not written here. This document is not a Warranty Certificate. Responsibility is not accepted.



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