



Trade name: Nonylphenol Ethoxylate 10 mol

Product no.: 037205-87-1 / 10 mol

Status: 02.05.2005

## 1.) Identification of the substance/preparation and company

### Product details

#### Trade name

**Nonylphenol Ethoxylate 10 mol**

#### Use

detergents; detergent; cleaning agent (products for professional use); pesticides; auxiliary tanning agents; Chemical processes general

### Identification of the manufacturer / supplier

#### Address

HELM AG  
Nordkanalstraße 28  
D-20097 Hamburg

Telephone no. +49(0)40 / 2375-0

Fax no. +49(0)40 / 2375-1845

#### Information provided by / telephone

Telephone: +49(0)40 / 23750 Fax: +49(0)40 / 23751845

#### Emergency telephone number

+49(0)551 / 19240 {Giftinformationszentrum Nord (GIZ-Nord)} (Service in english)

## 2.) Composition / information on ingredients

### Chemical characterization

Nonylphenol Ethoxylate 10 mol

### Substance / product identification

CAS no. 37205-87-1

## 3.) Hazards identification

### Classification

Xn; R22	Harmful if swallowed.
Xi; R36/38	Irritating to eyes and skin.
N; R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Hazard symbols

Xn	Harmful
N	Dangerous for the environment

### R phrases

22	Harmful if swallowed.
36/38	Irritating to eyes and skin.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 4.) First aid measures

### General information

If the patient is likely to become unconscious, place and transport in stable sideways position. Remove contaminated clothing immediately and dispose of safely. Poisonous symptoms can first be observed after several hours, therefore medical observation for at least 48 hours is necessary.

### After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. In case of persisting adverse effects consult a physician.

### After skin contact

In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.

### After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Eye treatment by an oculist.

### After ingestion

Summon a doctor immediately. Rinse out mouth and give plenty of water to drink. Do not induce vomiting.

## 5.) Fire-fighting measures

### Suitable extinguishing media

extinguishing powder; Water; Sand; Alcohol-resistant foam; Carbon dioxide

### Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases

Fire gas of organic material has to be classed invariably as respiratory poison.

In the event of fire, the following can be released:

Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide (CO)



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**Special protective equipment for firefighting**

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

**6.) Accidental release measures****Personal precautions**

High risk of slipping due to leakage/spillage of product. Refer to protective measures listed in sections 7 and 8.

**Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

**Methods for cleaning up/taking up**

Pick up with absorbent material. When picked up, treat material as prescribed under heading "Disposal considerations".

**7.) Handling and storage****Handling****Advice on safe handling**

No special measures necessary if stored and handled as prescribed. Provide good ventilation of working area (local exhaust ventilation if necessary).

**Advice on protection against fire and explosion**

Avoid effect of heat.

**Classification of fires**

B

**Storage****Requirements for storage rooms and vessels**

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Prevent penetration into the ground.

**Further information on storage conditions**

Protect from contamination. Protect from heat and direct sunlight. Keep container tightly closed in a cool, well-ventilated place, open and handle carefully.

**8.) Exposure controls / personal protection****Exposure limit values**

N O N E

**Personal protective equipment****Respiratory protection**

Breathing apparatus in the event of aerosol or mist formation.

**Hand protection**

In case of intensive contact wear protective gloves (EN 374). Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	rubber		
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Material thickness	>	0,5	mm
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Breakthrough time	>	240	min.
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**Eye protection**

Safety glasses with side protection shield (EN 166)

**Skin protection**

Light protective clothing

**General protective and hygiene measures**

Avoid contact with eyes and skin. Do not eat or drink during work time. Provide washing facilities at the place of work. Remove soiled or soaked clothing immediately. Keep separated from food-stuffs and feed-stocks. Wash hands before breaks and after work. Use barrier skin cream.

**9.) Physical and chemical properties****General information**

Form	liquid
Colour	yellowish
Odour	characteristic

**Important health, safety and environmental information****Flash point**

Value	>	200	°C
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**Ignition temperature**Value > 300 °C  
Method DIN 51794**Density**Value appr. 1 g/cm<sup>3</sup>  
Reference temperature 20 °C**Viscosity**Type kinematic  
Value appr. 400 mm<sup>2</sup>/s  
Method DIN 51562  
Reference temperature 20 °C**Solubility in water**

Remarks soluble

**pH value**Value 5 - 7  
Reference temperature 25 °C  
Concentration 10 g/l  
Method DIN 19268**10.) Stability and reactivity****Conditions to avoid**

If accurately spreading out possibility of self-inflammation.

**Hazardous decomposition products**

No hazardous decomposition products known.

**Thermal decomposition**

Remarks No decomposition if used as prescribed.

**11.) Toxicological information****Acute toxicity****Acute oral toxicity**LD50 < 2000 mg/kg  
Species rat**Acute dermal toxicity**

Remarks No data available.

**Acute inhalational toxicity**

Remarks No data available.

**Irritant/corrosive effects****Irritant effect on skin**

Evaluation irritant

**Irritant effect on eyes**

Evaluation irritant

**Sensitisation**

Remarks No data available.

**Effects after repeated or prolonged exposition (subacute, subchronic, chronic)****Mutagenicity**

Remarks No data available.

**Reproduction toxicity**

Remarks No data available.

**Carcinogenicity**

Remarks No data available.

**Experience in practice**

Irritates the mucous membrane.

**12.) Ecological information****Ecotoxic effects****Fish toxicity**EC50 7,5 mg/l  
Species Brachydanio rerio  
Duration of exposure 96 h



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**Daphnia toxicity**

EC50	20		mg/l
Species	Daphnia magna		
Duration of exposure	48	h	

**Algae toxicity**

ErC50	63		mg/l
Species	Desmodesmus subspicatus		
Duration of exposure	72	h	
EbC50	13		mg/l
Species	Desmodesmus subspicatus		
Duration of exposure	72	h	

**Bacteria toxicity**

EC50	> 1000		mg/l
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**General information / ecology**

Do not allow to enter soil, waterways or waste water canal.

**13.) Disposal considerations****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

**14.) Transport information****Land transport ADR/RID**

Class	9	Classification code	M6
Packaging group	III		
Hazard id. no.	90		
Label	9		
UN number	3082		
Technical name	Environmentally hazardous substance, liquid, n.o.s.		
Danger releasing substance	Nonylphenol Ethoxylate 10 mol		

**Marine transport IMDG**

Class	9		
Packaging group	III		
UN number	3082		
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.		
Danger releasing substance	Nonylphenol Ethoxylate 10 mol		
EmS	F-A, S-F		
MARPOL	-		
Label	9		

**Air transport ICAO/IATA**

Class	9		
Packaging group	III		
UN number	3082		
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.		
Danger releasing substance	Nonylphenol Ethoxylate 10 mol		
Label	9		

**15.) Regulatory information****Labelling in accordance with EC directives**

The product is classified and labelled in accordance with EC directives/GefStoff V (German regulations on dangerous substances).

**Hazard symbols**

Xn	Harmful
N	Dangerous for the environment

**R phrases**

22	Harmful if swallowed.
36/38	Irritating to eyes and skin.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S phrases**

26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
61	Avoid release to the environment. Refer to special instructions/Safety data sheets.



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Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances  
Remarks Annex I No. 9b

16.) **Other information**

**Further information**

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The information is based on our current knowledge however it does not represent a guarantee of product properties nor does it create any legal obligation.

**Sources of key data used to compile the data sheet:**

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.  
EC Directive 2001/58/EC as amended in each case.  
EC Directive 2000/39/EC as amended in each case.  
National Threshold Limit Values of the corresponding countries as amended in each case.  
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.  
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.