



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, there- fore 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

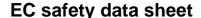
Fire gas of organic material has to be classed invariably as respiratory poison.

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

Carbon dioxide (CO2)

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

NONE

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.

mm

min.

Appropriate Material rubber

Material thickness > 0,5

Breakthrough time > 240

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

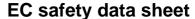
Form liquid
Colour yellowish
Odour characteristic

Important health, safety and environmental information

Flash point

Value > 200 ℃

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 \mathcal{C}

 \mathcal{C}

g/cm³

mm²/s

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20

appr.

Ignition temperature

300 Value Method DIN 51794

Density

Value

Reference temperature

Viscosity

Type kinematic Value 400 appr. Method DIN 51562 20

Reference temperature

Solubility in water

soluble Remarks

pH value

5 Value Reference temperature 25 10 Concentration 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

rat Species

Acute dermal toxicity

Remarks No data available.

Acute inhalational toxicity

Remarks No data available.

Irritant/corrosive effects

Irritant effect on skin

irritant Evaluation

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

No data available. Remarks

Carcinogenicity

No data available. Remarks

Experience in practice

Irritates the mucous membrane.

12.) **Ecological information**

Ecotoxic effects

Fish toxicity

7,5 FC50 mg/l

Species Brachydanio rerio Duration of exposure

96







mg/l

mg/l

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Daphnia toxicity

EC50 20 mg/l

Species Daphnia magna

Duration of exposure 48 h

Algae toxicity

ErC50 63
Species Desmodesmus subspicatus

Duration of exposure 72

EbC50 13 mg/l

Species Desmodesmus subspicatus

Duration of exposure 72

Bacteria toxicity
EC50 > 1000

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.) <u>Transport information</u>

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

abel

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

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.

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.



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