

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.11.2016

Version number 4

Revision: 26.10.2016

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name: WALLIPHOS NOP 90**
- **Article number:** 521009
- **CAS Number:**
51811-79-1
- **EINECS Number:**
Polymer
- **Registration number** The product is a polymer and therefore exempted from REACH.
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Emulsifier
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Wall Chemie GmbH
Am Selder 25
D-47906 KEMPEN
DEUTSCHLAND
Tel.: +49 2152 8999 0
Fax: +49 2152 516751
E-Mail: sicherheit@wall-chemie.com
- **Further information obtainable from:** Safety and health group
- **Emergency telephone number:**
This number is serviced during office hours: +49 2152 8999 0
Giftinformationszentrum Nord 24h-Auskunft: +49 551 19240

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labelling:**
51811-79-1 Alkylphenol polyglycoether phosphoric acid ester

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.11.2016

Version number 4

Revision: 26.10.2016

Trade name: WALLIPHOS NOP 90

(Contd. of page 1)

- **Hazard statements**
 - H315 Causes skin irritation.
 - H318 Causes serious eye damage.
 - H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
 - P280 Wear protective gloves/protective clothing/eye protection/face protection.
 - P273 Avoid release to the environment.
 - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterisation: Substances**
 - Contains <25% of an identified impurity deriving from the process used: Nonylphenol ethoxylate
- **CAS No. Description**
 - 51811-79-1 Alkylphenol polyglycoether phosphoric acid ester
- **Identification number(s)**
- **EC number:** Polymer
- **Additional information:** Polymers are exempted from REACH-regulation.
- **SVHC**
 - Contains one substance in a concentration <25% weight by weight (w/w) which has been included in the list of candidates for "substances of very high Concern" (SVHC): Nonylphenol ethoxylate (CAS-Nr.: 9016-45-9)

4 First aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
 - Immediately wash with water and soap and rinse thoroughly.
 - If skin irritation continues, consult a doctor.
- **After eye contact:**
 - Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
 - Seek medical treatment.
 - Rinse mouth.
 - Do not induce vomiting.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
 - No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
 - Risk of aspiration.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture**
 - In case of fire, the following can be released:

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.11.2016

Version number 4

Revision: 26.10.2016

Trade name: WALLIPHOS NOP 90

(Contd. of page 2)

Organic decomposition products

Carbon oxides (COx)

Phosphorus oxides

- **Advice for firefighters**

- **Protective equipment:** Use suitable breathing apparatus if necessary.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Particular danger of slipping on leaked/spilled product.

Wear protective clothing.

Avoid contact with eyes or skin.

- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

- **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

No special measures required.

Open and handle receptacle with care.

Wear protective clothing.

Do not eat, drink or smoke in working area.

- **Information about fire - and explosion protection:** No special measures required.

- **Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:** None.

- **Storage class:** Combustible liquid.

- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

- **Additional information:** The lists valid during the making were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

The recommended specification of the protective clothing articles is to be chosen according to the duration of the exposition, the concentration and the amount of the dangerous substances at the working environment. Seek advice of the suppliers.

- **Respiratory protection:** Not required.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.11.2016

Version number 4

Revision: 26.10.2016

Trade name: WALLIPHOS NOP 90

(Contd. of page 3)

· Protection of hands:


Protective gloves

· Material of gloves

e.g. Nitrile rubber, NBR

Recommended thickness of the material: $\geq 0,5$ mm
· Penetration time of glove material

Minimum breakthrough time : > 120 min (Permeation according to EN 374 Part 3: level 4)

· Eye protection:


Tightly sealed goggles (EN 166).

· Body protection: Protective work clothing

9 Physical and chemical properties

· Information on basic physical and chemical properties
· General Information
· Appearance:

Form:	Fluid
Colour:	Yellowish
Odour:	Characteristic
Odour threshold:	Not determined.

· pH-value (10 g/l) at 20 °C: 2,0 - 3,0

· Change in condition

Melting point/Melting range:	< 3 °C
Boiling point/Boiling range:	Undetermined.

· Flash point: > 100 °C (DIN 51376)

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: > 100 °C

· Decomposition temperature: Not determined.

· Self-igniting: Not determined.

· Danger of explosion: Product does not present an explosion hazard.

· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapour pressure: Not determined.

· Density at 20 °C: 1,0 - 1,05 g/cm³
· Relative density Not determined.

· Vapour density Not determined.

· Evaporation rate Not determined.

· Solubility in / Miscibility with water:

Emulsifiable.

· Partition coefficient (n-octanol/water): Product is an emulsifier.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 4

Revision: 26.10.2016

Trade name: WALLIPHOS NOP 90

(Contd. of page 4)

- **Viscosity:**
- **Dynamic:** Not determined.
- **Kinematic:** Not determined.
- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** Product is stable under normal ambient conditions.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
 - **Acute toxicity** Based on available data, the classification criteria are not met.
 - **LD/LC50 values relevant for classification:**
According to CESIO-recommendation .
- | | | |
|------|--|------------------|
| Oral | LD50 (in EU nicht kennzeichnungspflichtig) | >2000 mg/kg (--) |
|------|--|------------------|
- **Primary irritant effect:**
 - **Skin corrosion/irritation**
Causes skin irritation.
 - **Serious eye damage/irritation**
Causes serious eye damage.
 - **Respiratory or skin sensitisation** No sensitising effects known.
 - **Other information (about experimental toxicology):**
This statement was deduced from products with a similar structure or composition.
 - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
 - **Germ cell mutagenicity** no data
 - **Carcinogenicity** no data
 - **Reproductive toxicity** no data
 - **STOT-single exposure** no data
 - **STOT-repeated exposure** no data
 - **Aspiration hazard** no data

12 Ecological information

- **Toxicity**
 - **Aquatic toxicity:**
According to CESIO-recommendation .
This statement was deduced from products with a similar structure or composition.
- | | |
|------|-----------------|
| LC50 | >10 mg/l (fish) |
|------|-----------------|
- **Persistence and degradability** A part of the components is heavily biodegradable.
 - **Other information:**
This statement was deduced from products with a similar structure or composition.
 - **Behaviour in environmental systems:**
 - **Bioaccumulative potential** No further relevant information available.
 - **Mobility in soil** No further relevant information available.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 4

Revision: 26.10.2016

Trade name: WALLIPHOS NOP 90

(Contd. of page 5)

- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- **Waste disposal key:**
Determine wastes code in compliance with local waste management company according the European Waste Catalogue (EWC).
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- | | |
|---|-----------------|
| · UN-Number | Void |
| · ADR, ADN, IMDG, IATA | Void |
| · UN proper shipping name | Void |
| · ADR, ADN, IMDG, IATA | Void |
| · Transport hazard class(es) | Void |
| · ADR, ADN, IMDG, IATA | Void |
| · Class | Void |
| · Packing group | Void |
| · ADR, IMDG, IATA | Void |
| · Environmental hazards: | No |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
Note EU-Regulation EG/1907/2006 (REACH), Annex XVII, "Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles", Nr. 46.
a) Nonylphenol, b) Nonylphenol ethoxylate, in conjunction with the ChemSanktionsV (24. April 2013).

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.11.2016

Version number 4

Revision: 26.10.2016

Trade name: WALLIPHOS NOP 90

(Contd. of page 6)

- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**
Contains one substance in a concentration < 25% weight by weight (w/w) which has been included in the list of candidates for "substances of very high Concern" (SVHC):

9016-45-9	Alkylphenol polyglycoether
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- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Safety and Health group
- **Contact:** Dr. Astrid Kawka, Dr. Dieter Kawka
- **Abbreviations and acronyms:**
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
- * **Data compared to the previous version altered.**

EU