

Version: 8.03 Revision Date 19.09.2017

# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name Marlophen NP 30

Substance name (REACH / CLP) 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use Industrial use

raw material for textile auxiliary agents

emulsifying agent surface-active substance

Uses advised against

1.3 Details of the supplier of the safety data sheet

Company SASOL Germany GmbH

Anckelmannsplatz 1 20537 Hamburg

Telephone: +49 40 63684-1000 Telefax: +49 40 63684-3700

**Information (Product safety):** Telephone: + 49 (0) 23 65 - 49 47 05

Telefax: + 49 (0) 23 65 - 49 92 40

E-mail address msds-info.germany@de.sasol.com

1.4 Emergency telephone number

**Emergency telephone number** + 49 (0) 23 65 - 49 22 32

## **SECTION 2: HAZARDS IDENTIFICATION**

#### 2.1 Classification of the substance or mixture

### Classification (REGULATION (EC) No 1272/2008)

Chronic aquatic toxicity Category 3 Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

## Labelling (REGULATION (EC) No 1272/2008)

**Hazard statements** 

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements** 

P273 Avoid release to the environment.

P501 Dispose of contents/ container to an approved waste disposal plant.



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#### 2.3 Other hazards

None known.

### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

This product is a substance in the meaning of regulation (EC) 1907/2006.

# COMPONENTS TO BE NAMED IN ACCORDANCE WITH REGULATION (EC) 1907/2006 AS WELL AS OTHER HAZARDOUS INGREDIENTS AND CONTAINED SUBSTANCES WITH WORK PLACE LIMIT VALUES

4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0)

content: >= 90 - <= 100 % component type: Active ingredient

EC-No.: Index-No.: CAS-No.: 127087-87-0

**REACH No.**: Not relevant (polymer)

Substance name (REACH / CLP): 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0)

Classification (Regulation Aquatic Chronic 3 H412

(EC) No 1272/2008):

For information on ingredients listed on the candidate list (Candidate List of Substances of Very High Concern for Authorisation) or in the list of substances subject to authorization (Annex XIV of Regulation (EC) No 1907/2006), see section 15.1. of this data sheet.

For the full text of the H-Statements mentioned in this Section, see Section 16.

Other data Synonyms: CAS-No.: 9016-45-9; 68412-54-4; 37205-87-1

### **SECTION 4: FIRST AID MEASURES**

#### 4.1 Description of first aid measures

General advice Take off all contaminated clothing immediately. If you feel unwell, seek medical

advice (show the label where possible).

If inhaled Provide fresh air.

In case of skin contact Wash off with plenty of water.

In case of eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a

physician. Protect unharmed eye.

If swallowed Rinse mouth. Call a physician immediately.

#### 4.2 Most important symptoms and effects, both acute and delayed

Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

Risks: No information available.

## 4.3 Indication of any immediate medical attention and special treatment needed

Indication of any immediate medical attention and special treatment needed

Treatment: No information available.



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#### **SECTION 5: FIREFIGHTING MEASURES**

5.1 Extinguishing media

Suitable extinguishing media Water spray, Dry powder, Foam, Carbon dioxide (CO2)

5.2 Special hazards arising from the substance or mixture

Specific hazards during

firefighting

Dangerous gases or fumes may occur in case of fire.

Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment

for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

**Further information** Cool closed containers exposed to fire with water spray. Closed container may

rupture if strongly heated. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Prevent fire extinguishing water from contaminating surface water or the ground water

system.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment.

Special precautions Forms slippery/greasy layers with water. Spilling onto the container's outside will

make container slippery. Danger of slipping after spill or leakage.

6.2 Environmental precautions

**Environmental precautions** Should not be released into the environment.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up Sweep up and shovel into suitable containers for disposal. The material taken up

must be disposed of in accordance with regulations.

6.4 Reference to other sections

For personal protection see section 8.

#### **SECTION 7: HANDLING AND STORAGE**

7.1 Precautions for safe handling

Advice on safe handling Wear personal protective equipment.

Avoid contact with skin and eyes.

Advice on protection against

fire and explosion

No special protective measures against fire required.

#### 7.2 Conditions for safe storage, including any incompatibilities



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Storage class (TRGS 510) 11: Combustible Solids

Other data Stable under normal conditions.

7.3 Specific end use(s)

Specific use(s) This information is not available.

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### 8.1 Control parameters

#### COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

National occupational exposure limits

No data available

#### **EUROPEAN OCCUPATIONAL EXPOSURE LIMITS**

No data available

**Derived No Effect Level (DNEL)** 

No data available

## Predicted No Effect Concentration (PNEC)

No data available

### 8.2 Exposure controls

## **ENGINEERING MEASURES**

Provide sufficient air exchange and/or exhaust in work rooms.

## PERSONAL PROTECTIVE EQUIPMENT

**Respiratory protection** No personal respiratory protective equipment normally required. In inadequately

ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where aerosols are in use, or smoke and mist occur, use self-contained breathing apparatus or breathing apparatus with a type A filter or appropriate combined filter (e.g. where aerosols are in use, or smoke and mist occur, A-P2 or

ABEK-P2), in compliance with EN 141.

Hand protection

The choice of an appropriate glove does not only depend on its material but also

on other quality features and is different from one producer to the other., Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time., Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g.

temperature).

gloves suitable for permanent contact:

Material: butyl-rubber

Break through time: >= 480 min Layer thickness: >= 0,7 mm

#### gloves suitable for splash protection:



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Material: Nitrile rubber/nitrile latex Break through time: >= 30 min Layer thickness: >= 0,4 mm

**Eye protection** Tightly fitting safety goggles

Hygiene measures Avoid contact with eyes. Handle in accordance with good industrial hygiene and

safety practice.

**Protective measures** Wear suitable gloves and eye/face protection.

#### **ENVIRONMENTAL EXPOSURE CONTROLS**

**General advice** Should not be released into the environment.

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

#### 9.1 Information on basic physical and chemical properties

Physical state solid; 20 °C; 1.013 hPa

**Form** pasty

Colour colorless to yellow

**Odour** mild

Odour Threshold No data available

pH 5-7 Melting point/range  $> 25 \, ^{\circ}\text{C}$ 

**Flash point** > 250 °C; DIN 51376

**Evaporation rate** Not relevant / not applicable

Justification: Solid

Flammability (solid, gas) not auto-flammable

Lower explosion limit Not applicable

Justification: Solid

Upper explosion limit Not applicable

Justification: Solid

Vapour pressure < 0,01 hPa; 20 °C
Relative vapour density No data available

**Density** 1,07 - 1,08 g/cm3; 20 °C

Relative density No data available

Water solubility
Partition coefficient: n-

octanol/water

Not applicable

miscible

**Ignition temperature** ca. 400 °C

Auto-ignition temperature not auto-flammable



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Viscosity, dynamic 100 mPas; 50 °C; ISO 2555

Explosive properties not expected based on structure and functional groups

Oxidizing properties not expected based on structure and functional groups

9.2 Other data

None known.

## **SECTION 10: STABILITY AND REACTIVITY**

10.1 Reactivity

**Note** Stable at normal ambient temperature and pressure.

10.2 Chemical stability

Note No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

**Hazardous reactions** No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation.

10.5 Incompatible materials to avoid

Materials to avoid Strong oxidizing agents; hydrogen peroxide

10.6 Hazardous decomposition products

Hazardous decomposition

products

Stable under normal conditions.

Thermal decomposition Stable under normal conditions.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

## 11.1 Information on toxicological effects

**Acute toxicity** 

Acute oral toxicity 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

LD50 Rat: > 2.000 mg/kg own test results/literature values

Category approach

Based on available data, the classification criteria are not met.

Acute inhalation toxicity 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

No data available

Acute dermal toxicity 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

LD50 Rabbit: > 2.000 mg/kg;

(literature value) Category approach

Based on available data, the classification criteria are not met.

Skin corrosion/irritation



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**Skin irritation** 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

Rabbit: slightly irritating own test results/literature values

Category approach

Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation

Eye irritation 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

Rabbit: slightly irritating own test results/literature values

Category approach

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Sensitisation 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

not expected based on structure and functional groups

Germ cell mutagenicity

Genotoxicity in vitro 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

Ames test; Salmonella typhimurium; with and without metabolic activation: not

mutagenic; OECD Test Guideline 471 own test results/literature values

Category approach

**Remarks** 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

Based on available data, the classification criteria are not met.

Carcinogenicity

Carcinogenicity 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

This information is not available.

Reproductive toxicity

**Reproductive toxicity** 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

This information is not available.

STOT - single exposure

Remarks 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

The substance or mixture is not classified as specific target organ toxicant, single

exposure.

STOT - repeated exposure

Remarks 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

The substance or mixture is not classified as specific target organ toxicant,

repeated exposure.

**Aspiration hazard** 

**Aspiration toxicity** 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

Not applicable

## **SECTION 12: ECOLOGICAL INFORMATION**

12.1 Toxicity



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Toxicity to fish 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

LC50 (96 h) Brachydanio rerio (zebrafish): > 10 - 100 mg/l; semi-static test; OECD

Test Guideline 203

own test results/literature values

Category approach

**Toxicity to fish - Chronic** 

toxicity

4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

No data available

Toxicity to daphnia and other

aquatic invertebrates

4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

EC50 (48 h) Daphnia magna (Water flea): > 10 - 100 mg/l; static test; OECD Test

Guideline 202

own test results/literature values

Category approach

Toxicity to daphnia and other aquatic invertebrates - Chronic

toxicity

4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

No data available

Toxicity to aquatic plants 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

EC50 (72 h) Desmodesmus subspicatus (green algae): > 10 - 100 mg/l; static test;

OECD Test Guideline 201; own test results/literature values

Category approach

**Toxicity to bacteria** 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

EC50 Pseudomonas putida: > 10.000 mg/l; Cell multiplication inhibition test; ISO

10712

Category approach

Toxicity to soil dwelling

organisms

4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

LC50 Eisenia foetida: > 1.000 mg/kg; mortality; artificial soil

Category approach

Toxicity to terrestrial flora 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

No data available

Toxicity for other terrestrial

non-mammalian fauna

4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

No data available

12.2 Persistence and degradability

**Biodegradability** 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

Not readily biodegradable.; < 60 %; 28 d; aerobic; OECD Test Guideline 301B

Category approach

own test results/literature values

12.3 Bioaccumulative potential

Bioaccumulation 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

No data available

12.4 Mobility in soil

Mobility 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

No data available

12.5 Results of PBT and vPvB assessment

Results of PBT assessment This substance/mixture contains no components considered to be either persistent,

bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative

(vPvB) at levels of 0.1% or higher.

Results of PBT assessment 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

Based on available data, the classification criteria are not met.

12.6 Other adverse effects

General advice 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0):

Harmful to aquatic life with long lasting effects.



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## **SECTION 13: DISPOSAL CONSIDERATIONS**

#### 13.1 Waste treatment methods

**Product** Can be incinerated, when in compliance with local regulations.

waste code of the European

**Union: EWC** 

A waste code in accordance with the European Waste Catalogue (EWC) may not be assigned to this product since it admits of a classification only when the consumer uses it for some purpose. The waste code must be determined in agreement with the regional waste disposal authority or company.

## **SECTION 14: TRANSPORT INFORMATION**

#### 14.1 UN number

ADR Not dangerous goods
RID Not dangerous goods
ADN Not dangerous goods
IMDG Not dangerous goods
ICAO/IATA Not dangerous goods

#### 14.2 Proper shipping name

ADR Not dangerous goods
RID Not dangerous goods
ADN Not dangerous goods
IMDG Not dangerous goods
ICAO/IATA Not dangerous goods

## 14.3 Transport hazard class

ADR Not dangerous goods
RID Not dangerous goods
ADN Not dangerous goods
IMDG Not dangerous goods
ICAO/IATA Not dangerous goods

## 14.4 Packing group

ADR Not dangerous goods
RID Not dangerous goods
ADN Not dangerous goods
IMDG Not dangerous goods
ICAO/IATA Not dangerous goods

#### 14.5 Environmental hazards

ADR Environmentally hazardous no RID Environmentally hazardous no ADN Environmentally hazardous no IMDG Marine pollutant no



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ICAO/IATA Environmentally hazardous no

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks No information available.

## **SECTION 15: REGULATORY INFORMATION**

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### **EU REGULATIONS /INTERNATIONAL REGULATIONS**

EU SVHC: REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

The product contains following substances that are listed on the named regulation/list:

 Substance name
 CAS-No. EC-No.
 content

 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0 932-098-4
 127087-87-0 932-098-4
 <= 100 %</td>

#### EU 689/2008: Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals

Listed

The product contains following substances that are listed on the named regulation/list:

 
 Substance name
 CAS-No. EC-No.
 content

 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0)
 127087-87-0 932-098-4
 <= 100 %</td>

# EU RA17: Regulation (EC) No 1907/2006; ANNEX XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

Listed

46. b) Nonylphenol ethoxylates (C2 H4 O)n C15 H24 O

# EUREACHXIV: Regulation (EC) No 1907/2006; ANNEX XIV: LIST OF SUBSTANCES SUBJECT TO AUTHORISATION

Listed

43. 4-Nonylphenol, branched and linear, ethoxylated (substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof) EC No: — CAS No: —

#### NATIONAL/OTHER REGULATIONS

Legislation on the control of major-accident hazards involving dangerous substances

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

list entry in the directive:: Not applicable



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#### Other regulations

Directive 2003/53/EC relating to restrictions on the marketing and use of certain dangerous substances and preparations (nonylphenol, nonylphenol ethoxylate and cement)

#### **NOTIFICATION STATUS**

Switzerland. Consolidated Inventory	CH INV	listed (product or constituents are listed)
US. Toxic Substances Control Act	TSCA	listed (product or constituents are listed)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	DSL	listed (product or constituents are listed)
Australia. Industrial Chemical (Notification and Assessment) Act	AICS	listed (product or constituents are listed)
Japan. Kashin-Hou Law List	ENCS (JP)	listed (product or constituents are listed)
Japan. Industrial Safety & Health Law (ISHL) List	ISHL (JP)	listed (product or constituents are listed)
Korea. Existing Chemicals Inventory (KECI)	KECI (KR)	listed (product or constituents are listed)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	PICCS (PH)	listed (product or constituents are listed)
China. Inventory of Existing Chemical Substances	INV (CN)	listed (product or constituents are listed)

Please note: the names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in chapter 3.

#### 15.2 Chemical safety assessment

#### 4-Nonylphenol, branched, ethoxylated (>= 2.5 EO) (CAS: 127087-87-0)

A Chemical Safety Assessment is not required for this substance (exempted from obligation to register).

## **SECTION 16: OTHER INFORMATION**

#### Full text of H-Statements referred to under sections 2 and 3.

Harmful to aquatic life with long lasting effects. H412

#### Safety datasheet sections which have been updated:

15. Regulatory information

Further information: The information provided in this Safety Data Sheet is correct to the best of our

knowledge, information and belief at the date of its publication. The information



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given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

#### Key or legend to abbreviations and acronyms used in the safety data sheet

ADN Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route

AICS Australian Inventory of Chemical Substances
ANSI American National Standards Institute
ASTM American Society of Testing and Materials (US)

BCF Bioconcentration factor

CLP Regulation on Classification, Labelling and Packaging of Substances and Mixtures

DIN Deutsches Institut für Normung
DNEL Derived No-Effect Level
DSL Domestic Substances List
EC... Effect concentration ... %

ENCS Existing Notified Chemical Substances (Japan)

EWC European Waste Catalogue
IATA International Air Transport Association
IBC Intermediate Bulk Container

ICAO International Civil Aviation Organization
IMDG International Maritime Dangerous Goods
IMO International Maritime Organization
ISHL Industrial Safety and Health Law (Japan)
ISO International Organization for Standardization
IUAPC International Union of Pure and Applied Chemistry

KECI Korea Existing Chemicals Inventory

LC... Lethal Concentration, ...%

LD... Lethal Dose, ...%

MARPOL International Convention for the Prevention of Pollution From Ships

NDSL Non-Domestic Substances List
NOAEL no observable adverse effect level
NOEL/NOEC No Observed-effect level/concentration
NZIOC New Zealand Inventory of Chemicals

OECD Organisation for Economic Co-operation and Development

PBT persistent, bioaccumulative, toxic

PICCS Philippine Inventory of Chemicals and Chemical Substances

PNEC Predicted No-Effect Concentration

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Règlement concernant le transport international ferroviaire de marchandises dangereuses

TG Test Guideline

TRGS Technische Regeln für Gefahrstoffe
TSCA Toxic Substances Control Act
vPvB very persistent, very bioaccumulative
WGK Wassergefährdungsklasse