

**NAFOL 20+**

Version: 6.09

Revision Date 01.03.2017

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

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**1.1 Product identifier**

<b>Trade name</b>	<b>NAFOL 20+</b>
<b>REACH No.</b>	01-2119565133-44-0000
<b>Substance name (REACH / CLP)</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.

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

<b>Use</b>	Industrial use
<b>Uses advised against</b>	anti-foaming agent

**1.3 Details of the supplier of the safety data sheet**

<b>Company</b>	SASOL Germany GmbH Anckelmannsplatz 1 20537 Hamburg
	Telephone: +49 40 63684-1000 Telefax: +49 40 63684-3700
<b>Information (Product safety):</b>	Telephone: + 49 (0) 23 65 - 49 47 05 Telefax: + 49 (0) 23 65 - 49 92 40
<b>E-mail address</b>	msds-info.germany@de.sasol.com

**1.4 Emergency telephone number**

<b>Emergency telephone number</b>	+ 49 (0) 5 51 - 1 92 40 (GIZ-Nord Poisons Centre)
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**SECTION 2: HAZARDS IDENTIFICATION**

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**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**2.2 Label elements**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**2.3 Other hazards**

None known.

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

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

**CHEMICAL CHARACTERIZATION****Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manif.****component type:** Active ingredient**EC-No.:** 642-362-8**Index-No.:****CAS-No.:** 1190630-03-5**REACH No.:** 01-2119565133-44-0000**Substance name (REACH / CLP):** Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manif.**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**

No hazardous ingredients

**Other data**

Synonyms: Alcohols, C16-18, distillation residues (CAS-Nr.: 68603-17-8)

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

<b>General advice</b>	If you feel unwell, seek medical advice (show the label where possible). Take off all contaminated clothing immediately.
<b>If inhaled</b>	Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician.
<b>In case of skin contact</b>	Wash off immediately with plenty of water. Consult a physician if necessary.
<b>In case of eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Protect unharmed eye.
<b>If swallowed</b>	Consult a physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

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

<b>Most important symptoms and effects, both acute and delayed</b>	Symptoms: No information available. Risks: No information available.
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**4.3 Indication of any immediate medical attention and special treatment needed**

<b>Indication of any immediate medical attention and special treatment needed</b>	Treatment: No information available.
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**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

<b>Suitable extinguishing media</b>	Water spray, Dry powder, Foam, Carbon dioxide (CO2)
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### 5.2 Special hazards arising from the substance or mixture

**Specific hazards during firefighting** Dangerous gases or fumes may occur in case of fire.

### 5.3 Advice for firefighters

**Special protective equipment for firefighters** Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.

**Further information** 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.

### 6.2 Environmental precautions

**Environmental precautions** Avoid subsoil penetration.  
Do not flush into surface water or sanitary sewer system.

### 6.3 Methods and materials for containment and cleaning up

**Methods for cleaning up** Use mechanical handling equipment. The material taken up must be disposed of in accordance with regulations. Molten form Allow to solidify, use mechanical handling equipment.

### 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.

**Advice on protection against fire and explosion** No special protective measures against fire required.

**Fire-fighting class** B: Fires involving liquids or liquid containing substances. Also includes substances which become liquid at elevated temperatures.

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

**Requirements for storage areas and containers** No special storage conditions required.

**Further information on storage conditions** Protect from frost, heat and sunlight.

**Storage class (TRGS 510)** 10-13: German Storage Class 10 to 13

**Other data** Stable at normal ambient temperature and pressure.

### 7.3 Specific end use(s)

**Specific use(s)** This information is not available.

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## 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)

Substance name: Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.			
End Use	Exposure routes	Value	Note
Workers	dermal, Acute/short-term exposure - systemic effects	125 mg/kg	based on body weight and day
	Inhalation, Acute/short-term exposure - systemic effects	220 mg/m3	
	dermal, Acute/short-term exposure - local effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - local effects		Not relevant / not applicable
	dermal, long-term exposure - systemic effects	125 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	220 mg/m3	
	dermal, long-term exposure - local effects		Not relevant / not applicable
	Inhalation, long-term exposure - local effects		Not relevant / not applicable
Consumers	dermal, Acute/short-term exposure - systemic effects	75 mg/kg	based on body weight and day
	Inhalation, Acute/short-term exposure - systemic effects	65 mg/m3	
	Oral, Acute/short-term exposure - systemic effects	75 mg/kg	based on body weight and day
	dermal, Acute/short-term exposure - local effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - local effects		Not relevant / not applicable
	dermal, long-term exposure - systemic effects	75 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	65 mg/m3	
	Oral, long-term exposure - systemic effects	75 mg/kg	based on body weight and day
	dermal, long-term exposure - local effects		Not relevant / not applicable
	Inhalation, long-term exposure - local		Not relevant / not applicable

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	effects		
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## PREDICTED NO EFFECT CONCENTRATION (PNEC)

Substance name: Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.		
Environmental Compartment	Value	Note
Fresh water	0,00156 mg/l	
Marine water	0,000156 mg/l	
intermittent release		Not relevant / not applicable
treatment plant	0,000027 mg/l	
Fresh water sediment		Not relevant / not applicable
Marine sediment		Not relevant / not applicable
Soil		Not relevant / not applicable
food		Not relevant / not applicable

## 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: Nitrile rubber/nitrile latex  
Break through time: >= 480 min  
Layer thickness: 0,35 mm

Material: butyl-rubber  
Break through time: >= 480 min  
Layer thickness: 0,5 mm

#### Eye protection

Tightly fitting safety goggles

#### Skin and body protection

Wear suitable protective equipment.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Keep away

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from food, drink and animal feedingstuffs.  
**Protective measures** Avoid contact with eyes. Wear suitable gloves and eye/face protection.

### ENVIRONMENTAL EXPOSURE CONTROLS

**General advice** Avoid subsoil penetration.  
 Do not flush into surface water or sanitary sewer system.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	solid; 20 °C; 1.013 hPa
<b>Form</b>	waxy
<b>Colour</b>	yellow
<b>Odour</b>	characteristic
<b>Odour Threshold</b>	No data available
<b>pH</b>	Not applicable
<b>Melting point/range</b>	ca. 58 - 61 °C; 1.009 hPa; OECD Test Guideline 102
<b>Boiling point/boiling range</b>	ca. > 380 °C; 1.007 hPa; Decomposes below the boiling point.; ASTM D 1120-72
<b>Flash point</b>	207 °C; 1.005 hPa; DIN ISO 2592
<b>Evaporation rate</b>	Not relevant / not applicable Justification: Solid
<b>Flammability (solid, gas)</b>	Not classified due to data which are conclusive although insufficient for classification.
<b>Lower explosion limit</b>	Not applicable Justification: Solid
<b>Upper explosion limit</b>	Not applicable Justification: Solid
<b>Vapour pressure</b>	< 0,01 hPa; 38 °C; ASTM D 2879-86
<b>Relative vapour density</b>	Not relevant / not applicable, Justification: Solid
<b>Density</b>	ca.0,8 g/cm <sup>3</sup> ; 80 °C; DIN 51757
<b>Water solubility</b>	< 0,001 g/l; 20 °C; ASTM E 1148; insoluble
<b>Partition coefficient: n-octanol/water</b>	log Pow: > 15; 20 °C; pH: 7; ASTM-E 1147
<b>Ignition temperature</b>	ca. 300 °C; 998 hPa; Regulation (EC) No 440/2008; Method A.15.
<b>Auto-ignition temperature</b>	not auto-flammable
<b>Viscosity, dynamic</b>	7 mPas; 80 °C; ASTM D 7042
<b>Viscosity, kinematic</b>	ca. 5 mm <sup>2</sup> /s; 100 °C; ASTM D 445
<b>Explosive properties</b>	not expected based on structure and functional groups
<b>Oxidizing properties</b>	not expected based on structure and functional groups

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### 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** Incompatible with oxidizing agents.  
Hazardous decomposition products formed under fire conditions.

### 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;

### 10.6 Hazardous decomposition products

**Hazardous decomposition products** No decomposition if stored and applied as directed.

**Thermal decomposition** Stable under normal conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

**Acute oral toxicity** Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:  
LD50 Rat: > 5.000 mg/kg; OECD Test Guideline 401  
Category approach  
Based on available data, the classification criteria are not met.

**Acute inhalation toxicity** Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:  
The study is not necessary.  
Justification:  
Negligible or unlikely exposure pathways

**Acute dermal toxicity** Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:  
LD50 Rabbit: > 5.000 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** Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:  
Rabbit: not irritating; OECD Test Guideline 404 (literature value)  
Category approach  
Based on available data, the classification criteria are not met.

### Serious eye damage/eye irritation

**Eye irritation** Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:  
Rabbit: not irritating; OECD Test Guideline 405 (literature value)  
Category approach  
Based on available data, the classification criteria are not met.

### Respiratory or skin sensitisation

**Sensitisation** Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:  
Maximisation Test Guinea pig: not sensitizing; OECD Test Guideline 406 (literature value)  
Category approach  
Based on available data, the classification criteria are not met.

### Germ cell mutagenicity

**Genotoxicity in vitro** Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:  
In vitro tests did not show mutagenic effects  
own test results/literature values

**Genotoxicity in vivo** Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:  
In vivo tests did not show mutagenic effects (literature value)  
Category approach

**Remarks** Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:  
Based on available data, the classification criteria are not met.

### Carcinogenicity

**Carcinogenicity** Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:  
The substance has been shown to be not genotoxic, therefore it is not expected to have a carcinogenic potential.

### Reproductive toxicity

**Reproductive toxicity** Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:  
Rat; oral feed; 1/2 year  
No toxicity to reproduction (literature value)  
Category approach

**RemarksReproductive toxicity** Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:  
Based on available data, the classification criteria are not met.

**Teratogenicity** Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:  
Rabbit; Oral  
Did not show teratogenic effects in animal experiments. (literature value)  
Category approach

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<b>Remarks-Teratogenicity</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.: Rat; Oral Did not show teratogenic effects in animal experiments. (literature value) Category approach
<b>STOT - single exposure</b>	
<b>Remarks</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.: The substance or mixture is not classified as specific target organ toxicant, single exposure.
<b>STOT - repeated exposure</b>	
<b>Remarks</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
<b>Repeated dose toxicity</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.: Rat; Oral; 90-day; NOEL: 1000 mg/kg
<b>Aspiration hazard</b>	
<b>Aspiration toxicity</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.: Not applicable

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

<b>Toxicity to fish</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.: (96 h) Oncorhynchus mykiss (rainbow trout) ; OECD Test Guideline 203 In the range of water solubility not toxic under test conditions. (literature value) Category approach
<b>Toxicity to fish - Chronic toxicity</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.: The study is not necessary. Justification: Substance is readily biodegradable and has a low aquatic toxicity.
<b>Toxicity to daphnia and other aquatic invertebrates</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.: (48 h) Daphnia magna (Water flea) ; Structure-activity relationship (SAR) calculated In the range of water solubility not toxic under test conditions. (literature value) Category approach
<b>Toxicity to daphnia and other aquatic invertebrates - Chronic</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:

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<b>toxicity</b>	The study is not necessary. Justification: Substance is readily biodegradable and has a low aquatic toxicity.
<b>Toxicity to aquatic plants</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manif.: algae ; Structure-activity relationship (SAR); calculated In the range of water solubility not toxic under test conditions. (literature value) Category approach
<b>Toxicity to bacteria</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manif.: The study is not necessary. Justification: Readily biodegradable.
<b>Toxicity to soil dwelling organisms</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manif.: The study is not necessary. Justification: unlikely direct and indirect exposure of the soil compartment
<b>Toxicity to terrestrial flora</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manif.: The study is not necessary. Justification: unlikely direct and indirect exposure of the soil compartment
<b>Toxicity for other terrestrial non-mammalian fauna</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manif.: The study is not necessary. Justification: Studies on birds do not need to be conducted due to large mammalian dataset. Accumulation in terrestrial organisms is unlikely.
<b>12.2 Persistence and degradability</b>	
<b>Biodegradability</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manif.: > 60 %; 28 d; OECD Test Guideline 301B (literature value) Category approach
<b>12.3 Bioaccumulative potential</b>	
<b>Bioaccumulation</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manif.: Bioaccumulation is unlikely. Category approach
<b>12.4 Mobility in soil</b>	
<b>Mobility</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manif.: The study is not necessary. Not expected to adsorb on soil. Readily biodegradable. Category approach
<b>12.5 Results of PBT and vPvB assessment</b>	
<b>Results of PBT assessment</b>	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.
<b>Results of PBT assessment</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manif.: Based on available data, the classification criteria are not met.

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**12.6 Other adverse effects**

<b>General advice</b>	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manif.: None known.
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**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

<b>Product</b>	Can be incinerated, when in compliance with local regulations.
<b>waste code of the European Union: EWC</b>	The waste code must be determined in agreement with the regional waste disposal authority or company. 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.

**SECTION 14: TRANSPORT INFORMATION****14.1 UN number**

<b>ADR</b>	Not dangerous goods
<b>RID</b>	Not dangerous goods
<b>ADN</b>	Not dangerous goods
<b>IMDG</b>	Not dangerous goods
<b>ICAO/IATA</b>	Not dangerous goods

**14.2 Proper shipping name**

<b>ADR</b>	Not dangerous goods
<b>RID</b>	Not dangerous goods
<b>ADN</b>	Not dangerous goods
<b>IMDG</b>	Not dangerous goods
<b>ICAO/IATA</b>	Not dangerous goods

**14.3 Transport hazard class**

<b>ADR</b>	Not dangerous goods
<b>RID</b>	Not dangerous goods
<b>ADN</b>	Not dangerous goods
<b>IMDG</b>	Not dangerous goods
<b>ICAO/IATA</b>	Not dangerous goods

**14.4 Packing group**

<b>ADR</b>	Not dangerous goods
<b>RID</b>	Not dangerous goods
<b>ADN</b>	Not dangerous goods
<b>IMDG</b>	Not dangerous goods
<b>ICAO/IATA</b>	Not dangerous goods

**14.5 Environmental hazards**

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

#### NATIONAL/OTHER REGULATIONS

<b>Legislation on the control of major-accident hazards involving dangerous substances</b>	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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#### NOTIFICATION STATUS

Switzerland. Consolidated Inventory	CH INV	not listed (product or constituents are not 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

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Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.

A Chemical Safety Assessment has been carried out for this substance.

### SECTION 16: OTHER INFORMATION

#### 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 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

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### Annex

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Attachments to the safety data sheet and/or lists of the identified uses for the listed substances can be downloaded using the internet links below.

Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manif.

[http://www.sasolgermany.de/fileadmin/doc/productsafety/Annex/000000014947\\_EN\\_01.pdf](http://www.sasolgermany.de/fileadmin/doc/productsafety/Annex/000000014947_EN_01.pdf)

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