

NAFOL 22+

Version: 5.04

Revision Date 2018/10/17

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Trade name	NAFOL 22+
REACH No.	01-2119979540-31-0000
Substance name (REACH / CLP)	Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.

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

Use	Industrial use raw material for textile auxiliary agents raw material for synthesis processes in the chemical industry raw material for lubricants and lubricant additives anti-foaming agent
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) 5 51 - 1 92 40 (GIZ-Nord Poisons Centre)
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SECTION 2: HAZARDS IDENTIFICATION**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

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

CHEMICAL CHARACTERIZATION

Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.

component type: Active ingredient

EC-No.: 936-122-4

Index-No.:

CAS-No.:

REACH No.: 01-2119979540-31-0000

Substance name (REACH / CLP): Olefines, polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohol manuf.

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

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

General advice	If you feel unwell, seek medical advice (show the label where possible). Take off all contaminated clothing immediately.
If inhaled	Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician.
In case of skin contact	Wash off immediately with plenty of water. Consult a physician if necessary.
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	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

Most important symptoms and effects, both acute and delayed	Symptoms: No information available. Risks: No information available.
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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)
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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: Olefines, polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohol manuf.			
End Use	Exposure routes	Value	Note
Workers	dermal, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	dermal, Acute/short-term exposure - local effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - local effects	220 mg/m3	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		Not relevant / not applicable
	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		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	Oral, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	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: Olefines, polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohol manuf.		
Environmental Compartment	Value	Note
Fresh water		Not relevant / not applicable
Marine water		Not relevant / not applicable
intermittent release		Not relevant / not applicable
treatment plant		Not relevant / not applicable
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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Protective measures from food, drink and animal feedingstuffs.
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

Physical state	solid; 20 °C; 1,013 hPa
Form	solid
Colour	yellow
Odour	characteristic
Odour Threshold	No data available
pH	Justification:., Not applicable, insoluble
Melting point/range	ca. 55 - 70 °C
Boiling point/boiling range	ca. > 325 °C
Flash point	ca. > 190 °C; DIN 51758
Evaporation rate	Not relevant / not applicable Justification: Solid
Flammability (solid, gas)	not auto-flammable
Lower explosion limit	Not relevant / not applicable Justification: Solid
Upper explosion limit	Not relevant / not applicable Justification: Solid
Vapour pressure	ca. < 1.000 hPa; 20 °C
Relative vapour density	Not applicable, Justification: Solid
Density	ca.0.8 g/cm ³ ; 80 °C; DIN 51757
Water solubility	insoluble
Partition coefficient: n-octanol/water	not applicable (mixture)
Ignition temperature	ca. 220 °C
Auto-ignition temperature	not auto-flammable
Viscosity, dynamic	ca. 6 - 8 mPas; 80 °C
Explosive properties	Constituents do not contain chemical groups associated with explosivity.
Oxidizing properties	not expected based on structure and functional groups

9.2 Other data

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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 Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols 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 Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
study scientifically unjustified
Justification:
Negligible or unlikely exposure pathways
The LC50 is expected to be greater than the saturated vapour concentration based on weight of evidence across category.

Acute dermal toxicity Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
LD50 Rabbit: > 5,000 mg/kg;
(literature value)
Category approach
Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Skin irritation Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
Rabbit: not irritating; OECD Test Guideline 404

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(literature value)
 Category approach
 Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation

Eye irritation Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols 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 Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols 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 Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
 In vitro tests did not show mutagenic effects
 (literature value)
 Category approach

Genotoxicity in vivo Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
 In vivo tests did not show mutagenic effects
 (literature value)
 Category approach

Remarks Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
 Based on available data, the classification criteria are not met.

Carcinogenicity

Carcinogenicity Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
 The substance has been shown to be not genotoxic, therefore it is not expected to have a carcinogenic potential.
 Category approach

Reproductive toxicity

Reproductive toxicity Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
 Rat; Oral
 NOAEL ((parents)): 1,000 mg/kg (based on body weight and day)
 NOAEL (F1): 1,000 mg/kg (based on body weight and day)
 (literature value)
 Category approach

RemarksReproductive toxicity Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
 Based on available data, the classification criteria are not met.

Teratogenicity Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
 ; Oral
 NOAEL: 1,000 mg/kg (based on body weight and day)
 NOAEL (pregnant female): 1,000 mg/kg (based on body weight and day)
 (literature value)
 Category approach

Remarks-Teratogenicity Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
 Based on available data, the classification criteria are not met.

STOT - single exposure

Remarks Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
 The substance or mixture is not classified as specific target organ toxicant, single exposure.

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STOT - repeated exposure

Remarks Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
Rat; oral feed; 90-day
NOAEL: 1,127 mg/kg (based on body weight and day)
Category approach

Aspiration hazard

Aspiration toxicity Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
Not applicable

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
(96 h) Oncorhynchus mykiss (rainbow trout) ; semi-static test; OECD Test Guideline 203
In the range of water solubility not toxic under test conditions.
(literature value)
Category approach

Toxicity to fish - Chronic toxicity Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
The study is not necessary.
Justification:
Substance is readily biodegradable and has a low aquatic toxicity.

Toxicity to daphnia and other aquatic invertebrates Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
(48 h) Daphnia magna (Water flea)
In the range of water solubility not toxic under test conditions.
(literature value)

Toxicity to daphnia and other aquatic invertebrates - Chronic toxicity Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
The study is not necessary.
Justification:
Substance is readily biodegradable and has a low aquatic toxicity.

Toxicity to aquatic plants Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
(72 h) algae ; In the range of water solubility not toxic under test conditions.
(literature value)
Category approach

Toxicity to bacteria Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
The study is not necessary.
Justification:
Readily biodegradable.

Toxicity to soil dwelling organisms Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
The study is not necessary.
Justification:
unlikely direct and indirect exposure of the soil compartment

Toxicity to terrestrial flora Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
The study is not necessary.
Justification:
unlikely direct and indirect exposure of the soil compartment

Toxicity for other terrestrial Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.:
The study is not necessary.

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non-mammalian fauna	Justification: Studies on birds do not need to be conducted due to large mammalian dataset. Accumulation in terrestrial organisms is unlikely.
12.2 Persistence and degradability	
Biodegradability	Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.: Readily biodegradable.; > 60 %; 28 d; aerobic; OECD Test Guideline 301B Category approach
12.3 Bioaccumulative potential	
Bioaccumulation	Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.: Bioaccumulation is unlikely. Category approach
12.4 Mobility in soil	
Mobility	Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.: Adsorption/Soil; Koc: > 5000; QSAR (literature value) Category approach immobile strong adsorption to soil The substance and its relevant degradation products decompose rapidly.
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	Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.: Based on available data, the classification criteria are not met.
12.6 Other adverse effects	
General advice	Olefines polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohols manuf.: None known.

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	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

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods

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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
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

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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NOTIFICATION STATUS

Switzerland. Consolidated Inventory	CH INV	not listed (product or constituents are not listed)
US. Toxic Substances Control Act	TSCA	not listed (product or constituents are not listed)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	DSL	not listed (product or constituents are not listed)
Australia. Industrial Chemical (Notification and Assessment) Act	AICS	not listed (product or constituents are not listed)
Japan. Kashin-Hou Law List	ENCS (JP)	not listed (product or constituents are not listed)
Japan. Industrial Safety & Health Law (ISHL) List	ISHL (JP)	not listed (product or constituents are not listed)
Korea. Existing Chemicals Inventory (KECI)	KECI (KR)	not listed (product or constituents are not listed)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	PICCS (PH)	not listed (product or constituents are not listed)
China. Inventory of Existing Chemical Substances	INV (CN)	not listed (product or constituents are not 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

Olefines, polymer, oxidized, hydrolyzed, distn. residues, from C20 alcohol 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

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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

Annex

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.

http://www.sasolgermany.de/fileadmin/doc/productsafety/Annex/000000016662_EN_01.pdf