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

1.1 Product identifier

Trade name NACOL 16 - 98 RSPO-MB

REACH No. 01-2119485905-24-0000

Substance name (REACH / CLP): Hexadecan-1-ol

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

Use of the Substance/Mixture Industrial use, raw material for cosmetic agents, raw material for washing and

cleaning agents, raw material for textile auxiliary agents, raw material for synthesis processes in the chemical industry, Emulsifier, raw material for

fragrances

Uses advised against

1.3 Details of the supplier of the safety data sheet

Company SASOL Germany GmbH

Anckelmannsplatz 1 20537 Hamburg Germany

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

Information (Product safety) E-mail: msds-info.germany@de.sasol.com

1.4 Emergency telephone number

Emergency telephone number +44 1235 239670 Europe

+44 1235 239671 Middle East, Africa

+1 215 207 0061 North America, South America

+65 3158 1074 Asia Pacific Region +44 1865 407333 Global (english)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

2.3 Other hazards



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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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

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

CHEMICAL CHARACTERIZATION

hexadecan-1-ol

component type: Active ingredient

EC-No.: 253-149-0 REACH No.: 01-2119485905-24-0000

Substance name (REACH / CLP): hexadecan-1-ol

Index-No.: CAS-No.: 36653-82-4

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

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.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice No hazards which require special first aid measures.

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 with plenty of water. In case of eye contact Rinse with plenty of water.

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



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Symptoms No information available.

Risks No information available.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

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.

5.3 Advice for firefighters

Special protective equipment

for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information Standard procedure for chemical fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions
Use personal protective equipment.

Special precautions
Danger of slipping after spill or leakage.

6.2 Environmental precautions

Environmental precautions Should not be released into the environment.

Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up Sweep up or vacuum up spillage and collect in suitable container for disposal.

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 protection against

fire and explosion

Normal measures for preventive fire protection.



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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas No special storage conditions required.

and containers

Other data Stable under normal conditions.

7.3 Specific end use(s)

This information is not available. Specific use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

National occupational exposure limits

Control parameters / Substance name	Тур	Control parameters	Update	Basis
hexadecan-1-ol	AGW AGW	200 mg/m3 20 ppm	2013-09-19 2013-09-19	Germany. Occupational Exposure Limit Values - TRGS 900 (AGW)
	AGS: Comm	AGS: Committee on Hazardous Substances (Germany)Sum of vapor and aerosols.		

Contains no substances with occupational exposure limit values.

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

No data available

DERIVED NO EFFECT LEVEL (DNEL)

Substance name: hexadecan-1-ol			
End Use	Exposure routes	Value	Note
Workers	dermal, Acute/short-term exposure - systemic effects		No hazard identified
	Inhalation, Acute/short-term exposure - systemic effects		No hazard identified
	dermal, Acute/short-term exposure - local effects		No hazard identified
	Inhalation, Acute/short-term exposure - local effects		No hazard identified
	dermal, long-term exposure - systemic effects	110 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	389 mg/m3	
	dermal, long-term exposure - local effects		No hazard identified
	Inhalation, long-term exposure - local effects	200 mg/m3	



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	Eye contact, Local effects		No hazard identified
Consumers	dermal, Acute/short-term exposure - systemic effects		No hazard identified
	Inhalation, Acute/short-term exposure - systemic effects		No hazard identified
	Oral, Acute/short-term exposure - systemic effects		No hazard identified
	dermal, Acute/short-term exposure - local effects		No hazard identified
	Inhalation, Acute/short-term exposure - local effects		No hazard identified
	dermal, long-term exposure - systemic effects	55 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	96 mg/m3	
	Oral, long-term exposure - systemic effects	55 mg/kg	based on body weight and day
	dermal, long-term exposure - local effects		No hazard identified
	Inhalation, long-term exposure - local effects		No hazard identified
	Eye contact, Local effects		No hazard identified

PREDICTED NO EFFECT CONCENTRATION (PNEC)

Substance name: hexadecan-1-ol		
Environmental Compartment	Value	Note
Fresh water		No hazard identified
Marine water		No hazard identified
intermittent release		No hazard identified
Sewage treatment plant		No hazard identified
Fresh water sediment		No hazard identified
Marine sediment		No hazard identified
Soil	5.8mg/kg dry weight (d.w.)	based on dry weight
Air		No hazard identified

8.2 Exposure controls

PERSONAL PROTECTIVE EQUIPMENT

ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where dust, fibres and smoke occur, use self-contained breathing apparatus or breathing apparatus with a type P2 or P3 filter, in compliance with EN

143.

Hand protection Material: Nitrile rubber/nitrile latex

Break through time: >= 480 min Glove thickness: 0.35 mm



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Material: butyl-rubber

Break through time: >= 480 min Glove thickness: 0.5 mm

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).

Eye protection Safety glasses

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Protective measuresGeneral industrial hygiene practice.

ENVIRONMENTAL EXPOSURE CONTROLS

General advice Should not be released into the environment.

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 Physical state: solid; 20 °C; 1,013 hPa

Shape: solid

ColourcolourlessOdourodourless

Odour Threshold No valid method available.

Melting point/rangeca. 45 - 54 °CBoiling point/boiling rangeca. 300 - 320 °CFlammabilityNo data available

Upper explosion limit Not applicable

Justification: Solid

Lower explosion limit

Not applicable
Justification: Solid

Flash point ca. 150 - 155 °C; DIN 51758

Auto-ignition temperature ca. 235 °C

Decomposition temperature No decomposition if used as directed.

pH Not applicable, Justification:, insoluble

Viscosity



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Viscosity, dynamic ca. 8.0 mPas; 60 °C

Solubility(ies)

Water solubility insoluble

Partition coefficient: noctanol/water

Not applicable
Justification: Solid

Vapour pressure

< 1.000 hPa; 20 °C

Density ca.0.8 g/cm3; 60 °C; DIN 51757

Relative vapour density Not relevant / Not applicable, Justification: Solid

9.2 Other information

Explosives Constituents do not contain chemical groups associated with explosivity.

Oxidizing properties not expected based on structure and functional groups

Self-ignition Not applicable solid with a melting point < 160°C

Evaporation rate Not relevant / Not applicable

Justification: Solid

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 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 used as directed.

Thermal decomposition No decomposition if used as directed.

SECTION 11: TOXICOLOGICAL INFORMATION



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11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Not classified based on available information.

Acute oral toxicity hexadecan-1-ol:

LD50 Rat: > 5,000 mg/kg; OECD Test Guideline 401

(literature value)

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

tetradecanol

LD50 Rat: > 5,000 mg/kg

(literature value)

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

Acute inhalation toxicity hexadecan-1-ol:

LC50 Rat: > 1.5 mg/l; 1 h Test atmosphere: vapour maximal attainable concentration

The data are derived from the evaluations or test results achieved with similar

products (conclusion by analogy).

(literature value)

Test substance: 1-Tetradecanol

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

tetradecanol:

LC50 Rat: > 1.5 mg/l; 1 h Test atmosphere: vapour

(literature value)

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

Acute dermal toxicity hexadecan-1-ol:

LD50 Dermal Rabbit: > 5,000 mg/kg; Symptoms: Erythema, Emaciation, Weakness

The data are derived from the evaluations or test results achieved with similar

products (conclusion by analogy). (literature value)

Test substance: 1-Tetradecanol Based on available data, the classification criteria are not met.

tetradecanol:

LD50 Rabbit: > 5,000 mg/kg; Target Organs: Skin Symptoms: Local irritation

(literature value)

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

Skin corrosion/irritation

Not classified based on available information.

Skin irritation hexadecan-1-ol:

Rabbit: No skin irritation; OECD Test Guideline 404

(literature value)

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

tetradecanol:

Human: No skin irritation

(literature value)

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

Serious eye damage/eye irritation

Not classified based on available information.

Eye irritation hexadecan-1-ol:

Rabbit: No eye irritation; OECD Test Guideline 405

(literature value)



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

tetradecanol:

Rabbit: irritating; OECD Test Guideline 405

(literature value)

Causes serious eye irritation.

Skin sensitisation / Respiratory sensitisation

Skin contact: Not classified based on available information. Inhalation: Not classified based on available information.

Sensitisation hexadecan-1-ol:

Maximisation Test Guinea pig: not sensitizing; OECD Test Guideline 406

(literature value)

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

hexadecan-1-ol:

Respiratory sensitisation:

No data available

tetradecanol:

Maximisation Test Guinea pig: not sensitizing; OECD Test Guideline 406

(literature value)

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

tetradecanol:

Respiratory sensitisation:

No data available

Germ cell mutagenicity

Not classified based on available information.

Genotoxicity in vitro hexadecan-1-ol:

In vitro tests did not show mutagenic effects

(literature value) Category approach

tetradecanol:

In vitro tests did not show mutagenic effects

(literature value) Category approach

Genotoxicity in vivo hexadecan-1-ol:

In vivo tests did not show mutagenic effects

(literature value) Category approach

tetradecanol:

In vivo tests did not show mutagenic effects

(literature value) Category approach

Germ cell mutagenicity -

Assessment

hexadecan-1-ol:

In vitro tests did not show mutagenic effects In vivo tests did not show mutagenic effects

tetradecanol

In vitro tests did not show mutagenic effects In vivo tests did not show mutagenic effects

Carcinogenicity

Not classified based on available information.

Carcinogenicity hexadecan-1-ol:

Animal testing did not show any carcinogenic effects.

(literature value)



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tetradecanol:

Animal testing did not show any carcinogenic effects.

(literature value)

Carcinogenicity - hexadecan-1-ol:

Assessment Animal testing did not show any carcinogenic effects.

tetradecanol:

Animal testing did not show any carcinogenic effects.

Reproductive toxicity

Not classified based on available information.

Effects on fertility hexadecan-1-ol:

Rat; Oral; OECD Test Guideline 422

No toxicity to reproduction

Category approach (literature value) tetradecanol:

Rat; Oral; OECD Test Guideline 422

No toxicity to reproduction

(literature value) Category approach

Effects on foetal development

hexadecan-1-ol:

Rat; Oral; OECD Test Guideline 422

Did not show teratogenic effects in animal experiments.

(literature value) Category approach

tetradecanol: Rat; Oral

Did not show teratogenic effects in animal experiments.

Category approach (literature value)

Reproductive toxicity - Assessment hexadecan-1-ol:

No toxicity to reproduction

Did not show teratogenic effects in animal experiments.

tetradecanol:

No toxicity to reproduction

Did not show teratogenic effects in animal experiments.

STOT - single exposure

Not classified based on available information.

Assessment hexadecan-1-ol:

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

exposure.

tetradecanol:

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

exposure.

STOT - repeated exposure

Not classified based on available information.

Assessment hexadecan-1-ol:

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



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repeated exposure.

tetradecanol:

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

repeated exposure.

Repeated dose toxicity hexadecan-1-ol:

Rat; oral feed; 90-day

NOAEL: 4,400 mg/kg (based on body weight and day)

(literature value)

tetradecanol:
Rat; oral feed; 90-day

NOAEL: 3,548 mg/kg (based on body weight and day)

(literature value)

The data are derived from the evaluations or test results achieved with similar

products (conclusion by analogy).

Test substance: Alcohols, C14-15- branched and linear

Aspiration hazard

Not classified based on available information.

Aspiration toxicity hexadecan-1-ol:

Not applicable tetradecanol: Not applicable

11.2 Information on other hazards

Endocrine disrupting

properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

Experience with human exposure - Skin contact

hexadecan-1-ol: not irritating

Toxicological information hexadecan-1-ol:

Toxicokinetics

The substance is poorly absorbed via skin.

Components of the product may be absorbed into the body by ingestion.

The substance is metabolised and excreted.

tetradecanol: Toxicokinetics

The substance is poorly absorbed via skin. The substance is metabolised and excreted.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish hexadecan-1-ol:

(96 h) Salmo gairdneri; semi-static test; OECD Test Guideline 203

(literature value)

In the range of water solubility not toxic under test conditions.

tetradecanol:

Oncorhynchus mykiss (rainbow trout) ; semi-static test; OECD Test Guideline 203

In the range of water solubility not toxic under test conditions.



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(literature value)

Toxicity to fish - Chronic

toxicity

hexadecan-1-ol:

The study is not necessary.

Sufficient information is available to predict no toxicity at the limit of solubility.

tetradecanol:

study scientifically unjustified

Toxicity to daphnia and other aquatic invertebrates

hexadecan-1-ol:

(48 h) Daphnia magna (Water flea); calculated; QSAR

(literature value)

In the range of water solubility not toxic under test conditions.

Daphnia magna (Water flea); semi-static test; OECD Test Guideline 202

In the range of water solubility not toxic under test conditions.

(literature value) hexadecan-1-ol:

Toxicity to daphnia and other aquatic invertebrates - Chronic toxicity

The study is not necessary.

Sufficient information is available to predict no toxicity at the limit of solubility.

tetradecanol:

EC10 (21 d) Daphnia magna (Water flea): 0.0063 mg/l; reproduction rate; semi-

static test; OECD Test Guideline 211

(literature value)

Toxicity to aquatic plants

hexadecan-1-ol:

(96 h) Desmodesmus subspicatus (green algae); static test; OECD Test

Guideline 201; (literature value)

In the range of water solubility not toxic under test conditions.

tetradecanol:

Desmodesmus subspicatus (green algae); Growth rate; static test; In the range of

water solubility not toxic under test conditions.

(literature value)

M-Factors tetradecanol:

M-Factor (Chronic aquatic toxicity)1

Toxicity to bacteria

hexadecan-1-ol:

The substance is not to be considered to be inhibitory to bacteria.

(literature value) Category approach

tetradecanol:

The substance is not to be considered to be inhibitory to bacteria.

Category approach (literature value) hexadecan-1-ol:

Toxicity to soil dwelling

organisms

No data available

tetradecanol:

LC50 (72 h) Caenorhabditis elegans, Worm (Nematoda): > 1,000 mg/kg; mortality

(literature value)

tetradecanol:

EC50 (7 d) Folsomia candida, Arthropod (Collembola): 530 mg/kg; Immobilization

(literature value)

Plant toxicity tetradecanol:

No data available

12.2 Persistence and degradability

Biodegradability hexadecan-1-ol:

Readily biodegradable.; > 60 %; 28 d; aerobic; OECD Test Guideline 301B

(literature value)



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hexadecan-1-ol:

Biodegradable; > 60 %; 28 d; anaerobic

(literature value)

Readily biodegradable.; > 60 %; 28 d; aerobic; OECD Test Guideline 301B

(literature value)

tetradecanol:

Biodegradable; > 60 %; 56 d; anaerobic

Category approach (literature value)

12.3 Bioaccumulative potential

Bioaccumulation hexadecan-1-ol:

Fish; Bioconcentration factor (BCF): < 1,000; QSAR

Bioaccumulation is unlikely.

(literature value) tetradecanol:

Fish; Bioconcentration factor (BCF): < 1,000; QSAR

Bioaccumulation is unlikely.

(literature value)

12.4 Mobility in soil

Distribution among environmental compartments

hexadecan-1-ol:

Adsorption/Soil; Koc: 249732; log Koc: 5.4; OECD Test Guideline 121

immobile

strong adsorption to soil

The substance and its relevant degradation products decompose rapidly.

tetradecanol:

Adsorption/Soil/Sewage sludge; Koc: 33983; log Koc: 4.53; OECD Test Guideline

121

(literature value) 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 hexadecan-1-ol:

This substance is not considered to be persistent, bioaccumulating and toxic

(PBT).

This substance is not considered to be very persistent and very bioaccumulating

(vPvB).

tetradecanol:

This substance is not considered to be persistent, bioaccumulating and toxic

(PBT).

This substance is not considered to be very persistent and very bioaccumulating

(vPvB).

12.6 Endocrine disrupting properties

Endocrine disrupting potential The substance/mixture does not contain components considered to have

endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

12.7 Other adverse effects



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Additional ecological information

hexadecan-1-ol: None known.

tetradecanol:

Very toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

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

Waste Code 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 or ID number

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

14.2 UN 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(es)

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



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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 Maritime transport in bulk according to IMO instruments

Remarks No information available.

SECTION 15: REGULATORY INFORMATION

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

EU PIC: Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals

Not applicable

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

Not applicable

EU. REACH-Annex XIV: REACH - List of substances subject to authorisation (Annex XIV)

Not applicable

EC 1005/2009: Regulation (EC) No 1005/2009 on substances that deplete the ozone layer

Not applicable

EU POP: Regulation (EU) 2019/1021 on persistent organic pollutants (recast)

Not applicable

UK. REACH Annex XIV: UK REACH List of substances subject to authorisation (Annex XIV)

Not applicable

UK SVHC: UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation

Not applicable

GB POPs: The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)

Not applicable



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REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)

Not applicable

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

Notification status

Australian Inventory of Industrial Chemicals	ZAU_AIIC	listed (product or constituents are listed)
Canadian Domestic Substances List (DSL)	DSL	listed (product or constituents are listed)
Switzerland. Consolidated Inventory (based on EU-EINECS and EU-NLP)	CH INV	listed (product or constituents are listed)
China. Inventory of Existing Chemical Substances in China (IECSC)	IECSC	listed (product or constituents are listed)
Japan. ENCS - Existing and New Chemical Substances Inventory	ENCS (JP)	listed (product or constituents are listed)
Japan. ISHL - Inventory of Chemical Substances	ISHL (JP)	listed (product or constituents are listed)
Korea. Korean Existing Chemicals Inventory (KECI)	KECI (KR)	listed (product or constituents are listed)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	PICCS (PH)	listed (product or constituents are listed)
Taiwan Chemical Substance Inventory (TCSI)	ZTW_INV	listed (product or constituents are listed)
United States TSCA Inventory	TSCA	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

hexadecan-1-ol

A Chemical Safety Assessment has been carried out for this substance. An annex to the MSDS is not required.

SECTION 16: OTHER INFORMATION



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Safety datasheet sections which have been updated:

- 8. Exposure controls/personal protection
- 1. Identification of the substance/mixture and of the company/undertaking
- 2. Hazards identification
- 3. Composition/information on ingredients
- 4. First aid measures
- 8. Exposure controls/personal protection
- 9. Physical and chemical properties
- 11. Toxicological information
- 12. Ecological information
- 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

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

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

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

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

ENCS Existing Notified Chemical Substances (Japan)

EWC European Waste Catalogue International Air Transport Association IATA 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, ...% ΙD Lethal Dose %

MARPOL International Convention for the Prevention of Pollution From Ships

NDSL Non-Domestic Substances List no observable adverse effect level NOAEL 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

Test Guideline TG

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



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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.

hexadecan-1-ol

http://www.sasolgermany.de/fileadmin/doc/productsafety/Annex/00000000062_EN_01.pdf