

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## CONTEC CHAIN STAR BASIC

Creation date	12th January 2014	Version	2.0
Revision date	28th April 2020		

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1. Product identifier**  
Substance / mixture  
Number
- CONTEC CHAIN STAR BASIC  
mixture  
0.356.910/0
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
Mixture's intended use  
Mixture uses advised against
- white lubricant for chains  
The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
- Distributor**  
Name or trade name  
Address  
VAT Reg No  
Phone  
E-mail  
Web address
- Hermann Hartje KG  
Deichstraße 120-122, Hoya/Waser, 27318  
Germany  
DE116162847  
0049/4251/811-20  
rene.preuss@hartje.de  
www.hartje.de
- Manufacturer**  
Name or trade name  
Address  
Identification number (CRN)  
VAT Reg No  
Phone  
E-mail  
Web address
- Nacházel, s.r.o.  
Průmyslová 11/1472, Praha 10 - Hostivař, 10219  
Czech Republic  
25734458  
CZ25734458  
222 351 140  
maziva@nachazel.cz  
www.nachazel.cz
- Competent person responsible for the safety data sheet**  
Name  
E-mail
- Nacházel, s.r.o.  
maziva@nachazel.cz
- 1.4. Emergency telephone number**  
National Health Service (NHS) 111  
National poisoning information centre Scotland, NHS 24: 111  
112



### SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**  
**Classification of the mixture in accordance with Regulation (EC) No 1272/2008**

The mixture is classified as dangerous.

Flam. Liq. 2, H225  
Asp. Tox. 1, H304  
STOT SE 3, H336  
Aquatic Chronic 2, H411

Full text of all classifications and hazard statements is given in the section 16.

**Most serious adverse physico-chemical effects**

Highly flammable liquid and vapour.

**Most serious adverse effects on human health and the environment**

May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

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### 2.2. Label elements

#### Hazard pictogram



#### Signal word

Danger

#### Hazardous substances

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatic  
Hydrocarbons, C9-C11, isoalkanes, cyclics, <2% aromatic

#### Hazard statements

H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P243 Take action to prevent static discharges.  
P301+P310 IF SWALLOWED: Immediately call a doctor.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P331 Do NOT induce vomiting.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents/container to by disposing in a hazardous waste receptacle.

#### Supplemental information

EUH 066 Repeated exposure may cause skin dryness or cracking.

#### Requirements for child-resistant fastenings and tactile warning of danger

Container must carry a tactile warning of danger. Container must be fitted with child-resistant fastening.

### 2.3. Other hazards

Substance does not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture of substances and additives specified below.

#### Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.
EC: 927-241-2 Registration number: 01-2119471843-32	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatic	30-<35	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 3, H412 EUH 066	
EC: 920-134-1 Registration number: 01-2119480153-44	Hydrocarbons, C9-C11, isoalkanes, cyclics, <2% aromatic	30-<35	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411 EUH 066	

Full text of all classifications and hazard statements is given in the section 16.

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

##### If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Remove contaminated clothes. Protect the person against growing cold. Ensure medical treatment considering the frequent need of further observation for at least 24 hours.

##### If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Provide medical treatment.

##### If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

##### If swallowed

DO NOT INDUCE VOMITING! If the affected person vomits, make sure to prevent inhalation of the vomit (as there is a danger of lung damage after inhalation of these liquids in the airways also in infinitesimal amount). Provide medical treatment considering the frequent need of further observation for at least 24 hours. Bring an original container with the label and the Safety Data Sheet of the given substance as appropriate.

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

##### If inhaled

Cough, headache. May cause drowsiness or dizziness. Possible irritation of airways, cough, headache.

##### If on skin

Painful reddening, irritation.

##### If in eyes

Not expected.

##### If swallowed

Irritation, nausea.

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

Symptomatic treatment.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

##### Unsuitable extinguishing media

Water - full jet.

#### 5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

#### 5.3. Advice for firefighters

Use insulating breathing apparatus when the exposition limits of the substances are exceeded or at the place with insufficient ventilation.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Remove all ignition sources; provide sufficient ventilation. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8.

#### 6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

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### 6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. Dispose of the collected material according to the instructions in the section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

### 6.4. Reference to other sections

See the Section 7, 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Do not inhale aerosols. No smoking. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

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

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

Storage class 3B - Flammable liquids (VbF hazard class A III)  
Content 50 ml  
Packaging type applicator  
Material of package HDPE (2), High-density (linear) polyethylene (Plastics)



HDPE

Storage temperature min 0 °C, max 30 °C

### The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

### 7.3. Specific end use(s)

Chain lubricant. Follow the instructions on the product label.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

#### DNEL

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatic

Workers / consumers	Route of exposure	Value	Effect	Determining method
Consumers	Inhalation	900 mg/m <sup>3</sup>	Systemic acute effects	
Consumers	Dermal	300 mg/kg	Systemic acute effects	
Workers	Inhalation	1500 mg/m <sup>3</sup>	Systemic acute effects	
Workers	Dermal	300 mg/kg	Systemic acute effects	

Hydrocarbons, C9-C11, isoalkanes, cyclics, <2% aromatic

Workers / consumers	Route of exposure	Value	Effect	Determining method
Consumers	Inhalation	900 mg/m <sup>3</sup>	Systemic chronic effects	
Consumers	Dermal	300 mg/kg bw/day	Systemic chronic effects	
Workers	Inhalation	1500 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Dermal	300 mg/kg bw/day	Systemic chronic effects	

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### 8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

#### Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

#### Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Use barrier creams for skin protection, they should, however, not be applied once exposure has occurred. Observe other recommendations of the manufacturer. Other protection: Protective antistatic clothing made of natural fibres (cotton) or synthetic fibres resistant to elevated temperatures. Contaminated skin should be washed thoroughly.

#### Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

#### Thermal hazard

not available

#### Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

## SECTION 9: Physical and chemical properties

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

Appearance	liquid
Physical state	liquid at 20°C
color	white
Odour	after solvents
Odour threshold	data not available
pH	data not available
Melting point/freezing point	data not available
Initial boiling point and boiling range	110-190 °C
Flash point	>21 °C
Evaporation rate	data not available
Flammability (solid, gas)	data not available
Upper/lower flammability or explosive limits	
flammability limits	data not available
explosive limits	data not available
Vapour pressure	8 hPa at 20°C
Vapour density	data not available
Relative density	data not available
Solubility(ies)	
solubility in water	insoluble
solubility in fats	data not available
Partition coefficient: n-octanol/water	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
Viscosity	DIN kalíšek tryska 4
flow time	26 s
Explosive properties	data not available
Oxidising properties	data not available
data not available	

### 9.2. Other information

Density	0.8 g/cm <sup>3</sup> at 20°C
ignition temperature	200 °C

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The mixture is flammable.

#### 10.2. Chemical stability

The product is stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

The product is stable under normal conditions.

#### 10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

#### 10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents. Thereby a dangerous exothermic reaction will be prevented.

#### 10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide, heavy smoke and nitrogen oxides are formed at high temperature and in fire.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

No toxicological data is available for the mixture.

#### Acute toxicity

May be fatal if swallowed and enters airways.

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Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>		6000 mg/kg		Rabbit	

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatic

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>	OECD 401	>5000 mg/kg		Rat	
Dermal	LD <sub>50</sub>	OECD 402	>5000 mg/kg		Rabbit	
	Log Pow		4-5.7			

Hydrocarbons, C9-C11, isoalkanes, cyclics, <2% aromatic

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>	OECD 401	5000 mg/kg		Rat	
Dermal	LD <sub>50</sub>	OECD 402	>5000 mg/kg		Rabbit	

#### Skin corrosion/irritation

Based on available data the classification criteria are not met.

#### Serious eye damage/irritation

Based on available data the classification criteria are not met.

#### Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

#### Germ cell mutagenicity

Based on available data the classification criteria are not met.

#### Carcinogenicity

Based on available data the classification criteria are not met.

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### Reproductive toxicity

Based on available data the classification criteria are not met.

### Toxicity for specific target organ - single exposure

May cause drowsiness or dizziness.

### Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

### Aspiration hazard

May be fatal if swallowed and enters airways.

### More information

data not available

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Acute toxicity

Toxic to aquatic life with long lasting effects.

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Parameter	Method	Value	Time of exposure	Species	Environment
LC <sub>50</sub>		20 mg/l	96 hour	Fishes	

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatic

Parameter	Method	Value	Time of exposure	Species	Environment
LC <sub>50</sub>	OECD 203	>10-<30 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
ErC <sub>50</sub>	OECD 201	>1000 mg/l	72 hour	Algae (Selenastrum capricornutum)	
EC <sub>50</sub>	OECD 202	>22-<46 mg/l	48 hour	Daphnia (Daphnia magna)	
NOEC		>0.1-<1 mg/l		Fishes (Oncorhynchus mykiss)	
NOEC		>0.1-1 mg/l		Crustaceans	

Hydrocarbons, C9-C11, isoalkanes, cyclics, <2% aromatic

Parameter	Method	Value	Time of exposure	Species	Environment
LC <sub>50</sub>	OECD 203	3.6 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
ErC <sub>50</sub>	OECD 201	>1000 mg/l	72 hour	Algae (Selenastrum capricornutum)	
EC <sub>50</sub>	OECD 202	>22-<46 mg/l	48 hour	Daphnia (Daphnia magna)	
NOEC		0.132 mg/l	28 day	Fishes (Oncorhynchus mykiss)	
NOEC		0.23 mg/l	21 day	Daphnia (Daphnia magna)	

#### More information

data not available

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### 12.2. Persistence and degradability

The substance is not biodegradable.

### 12.3. Bioaccumulative potential

Insignificant.

### 12.4. Mobility in soil

Not available.

### 12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

### 12.6. Other adverse effects

Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

#### Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

#### Waste type code

07 01 04 other organic solvents, washing liquids and mother liquors \*

14 06 03 other solvents and solvent mixtures \*

#### Packaging waste type code

15 01 10 packaging containing residues of or contaminated by hazardous substances \*

(\*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

## SECTION 14: Transport information

### 14.1. UN number

UN 1993

### 14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S.

### 14.3. Transport hazard class(es)

3 Flammable liquids

### 14.4. Packing group

II - substances presenting medium danger

### 14.5. Environmental hazards

yes

### 14.6. Special precautions for user

Reference in the Sections 4 to 8.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not available



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### Additional information

Hazard identification No.

33

UN number

1993

Classification code

F1

Safety signs

3+hazardous for the environment



### Air transport - ICAO/IATA

Packaging instructions passenger 353

Cargo packaging instructions 364

### Marine transport - IMDG

EmS (emergency plan) F-E, S-E

MFAG 310

Marine Pollutant Yes

## SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

### 15.2. Chemical safety assessment

not available

## SECTION 16: Other information

### A list of standard risk phrases used in the safety data sheet

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### Guidelines for safe handling used in the safety data sheet

P102	Keep out of reach of children.
P301+P310	IF SWALLOWED: Immediately call a doctor.
P331	Do NOT induce vomiting.
P501	Dispose of contents/container to by disposing in a hazardous waste receptacle.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take action to prevent static discharges.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

### A list of additional standard phrases used in the safety data sheet

EUH 066	Repeated exposure may cause skin dryness or cracking.
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### Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

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

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL	Derived no-effect level
EC	Identification code for each substance listed in EINECS
EC <sub>50</sub>	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
IC <sub>50</sub>	Concentration causing 50% blockade
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC <sub>50</sub>	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD <sub>50</sub>	Lethal dose of a substance in which it can be expected death of 50% of the population
LOAEC	Lowest observed adverse effect concentration
LOAEL	Lowest observed adverse effect level
log K <sub>ow</sub>	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

Aquatic Chronic	Hazardous to the aquatic environment
Asp. Tox.	Aspiration hazard
Flam. Liq.	Flammable liquid
STOT SE	Specific target organ toxicity - single exposure

### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use

not available

### Information about data sources used to compile the Safety Data Sheet

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REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from  
the manufacturer of the substance / mixture, if available - information from registration dossiers.

### **The changes (which information has been added, deleted or modified)**

Version 2.0 replaces the version from 06.03.2017. The changes were made in sections 2, 13, 15 and 16.

### **Statement**

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.