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# Klübersynth GEM 4-100 N (H)

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

1.1 Product identifier		
Product name	:	Klübersynth GEM 4-100 N (H)
Article-No.	:	012377
1.2 Relevant identified uses of	the s	ubstance or mixture and uses advised against
Use of the Sub- stance/Mixture	:	Lubricating oil
Recommended restrictions on use	:	Restricted to professional users.
1.3 Details of the supplier of th	ie safe	ety data sheet
Company	:	Klüber Lubrication München Geisenhausenerstr. 7 81379 München Deutschland Tel: +49 (0) 89 7876 0 Fax: +49 (0) 89 7876 333 info@klueber.com
E-mail address of person responsible for the SDS	:	mcm@klueber.com Material Compliance Management
National contact	:	
1.4 Emergency telephone num	ber	
Emergency telephone num- ber		+ 421 2 5477 4166 (24 hrs) National toxicological information centre, Limbová 5, 833 05 Bratislava E-mail: ntic@ntic.sk
		+49 (0) 89 7876-700 (24hrs)

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

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

Not a hazardous substance or mixture.



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#### 2.2 Label elements

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

Not a hazardous substance or mixture.

#### **Additional Labelling**

EUH210	Safety data sheet available on request.
EUH208	Contains amines, C10-14-tert-alkyl. May produce an allergic reaction.

#### 2.3 Other hazards

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.

#### **SECTION 3: Composition/information on ingredients**

:

#### 3.2 Mixtures

Chemical nature

Synthetic hydrocarbon oil ester oil

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration limits M-Factor Notes	Concentration (% w/w)
amines, C10-14-tert- alkyl	701-175-2 01-2119456798-18- XXXX	Acute Tox.4; H302 Acute Tox.2; H330 Acute Tox.3; H311 Skin Corr.1B; H314 Eye Dam.1; H318 Skin Sens.1A; H317 STOT SE3; H335 Aquatic Acute1; H400 Aquatic Chronic1; H410	M-Factor: 1/1	>= 0,025 - < 0,1

For explanation of abbreviations see section 16.

#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

If inhaled

: Remove person to fresh air. If signs/symptoms continue, get medical attention.

Keep patient warm and at rest.



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			If breathing is irregular or stopped, tion.	administer artificial respira
In ca	se of skin contact	:	Remove contaminated clothing. If i ical attention. In case of contact, immediately flue	
In ca	se of eye contact	:	Rinse immediately with plenty of w for at least 10 minutes. If eye irritation persists, consult a s	
lf swa	allowed	:	Move the victim to fresh air. Do NOT induce vomiting. Rinse mouth with water.	
2 Most i	important symptoms a	nd e	effects, both acute and delayed	
	otoms	:	No information available.	
Risks	5	:	None known.	
		:		
	tion of any immediate	: mea	None known. dical attention and special treatme No information available.	ent needed
<b>3 Indica</b> Treat	tion of any immediate	:	dical attention and special treatme No information available.	ent needed
3 Indica Treat ECTION	ition of any immediate ment N 5: Firefighting mea	:	dical attention and special treatme No information available.	ent needed
3 Indica Treat ECTION 1 Exting	<b>ition of any immediate</b> ment	: sur	dical attention and special treatme No information available.	
3 Indica Treat ECTION 1 Exting Suita	t <b>ion of any immediate</b> ment <b>N 5: Firefighting mea</b> <b>guishing media</b> ble extinguishing media itable extinguishing	: sur	dical attention and special treatme No information available. es Use water spray, alcohol-resistant	
3 Indica Treat ECTION 1 Exting Suita Unsu media	<b>Ition of any immediate</b> ment <b>N 5: Firefighting mea</b> <b>guishing media</b> ble extinguishing media itable extinguishing a	: <b>sur</b> :	dical attention and special treatme No information available. es Use water spray, alcohol-resistant bon dioxide.	

### 5.3 Advice for firefighters

Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Exposure to decomposi- tion products may be a hazard to health.
Further information	:	Standard procedure for chemical fires.



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#### **SECTION 6: Accidental release measures**

	<b>re equipment and emergency procedures</b> Evacuate personnel to safe areas. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.				
6.2 Environmental precautions					
Environmental precautions :	Try to prevent the material from entering drains or water courses. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.				
6.3 Methods and material for containment and cleaning up					
Methods for cleaning up :	Contain spillage, and then collect with non-combustible ab- sorbent material, (e.g. sand, earth, diatomaceous earth, ver- miculite) and place in container for disposal according to local / national regulations (see section 13).				

#### 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 :	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the ap- plication area. Wash hands and face before breaks and immediately after handling the product.				
Hygiene measures :	Wash face, hands and any exposed skin thoroughly after handling.				
7.2 Conditions for safe storage, inc	luding any incompatibilities				
Requirements for storage : areas and containers	Store in original container. Keep container closed when not in use. Keep in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with the particular national regulations. Keep in properly labelled containers.				
7.3 Specific end use(s) Specific use(s) :	Specific instructions for handling, not required.				



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#### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

	· ·	• •	. ,	
Substance name	End Use	Exposure routes	Potential health ef- fects	Value
diisotridecyl adipate	Workers	Inhalation	Long-term systemic effects	24 mg/m3
	Workers	Skin contact	Long-term systemic effects	3,4 mg/kg bw/day
amines, C10-14-tert- alkyl	Workers	Inhalation	Long-term systemic effects	12,5 mg/m3
	Workers	Inhalation	Long-term local ef- fects	12,1 mg/m3

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
diisotridecyl adipate	Fresh water	0,00004 mg/l
	Intermittent use/release	1 mg/l
	Marine water	0,000004 mg/l
	Intermittent use/release	1 mg/l
	Sewage treatment plant	48 mg/l
	Fresh water sediment	40 mg/kg dry
		weight (d.w.)
	Marine sediment	40 mg/kg dry
		weight (d.w.)
	Soil	1 mg/kg dry
		weight (d.w.)
amines, C10-14-tert-alkyl	Fresh water	0,001 mg/l
	Marine water	0,0001 mg/l
	Intermittent use/release	0,004 mg/l
	Sewage treatment plant	0,635 mg/l
	Fresh water sediment	2,14 mg/l
	Marine sediment	0,214 mg/l
	Soil	0,428 mg/l
	Oral	4,71 mg/l

#### 8.2 Exposure controls

Engineering measures		
none		
Personal protective equip	pment	
Eye protection	:	Safety glasses with side-shields
Hand protection Material Break through time Protective index	-	Nitrile rubber > 10 min Class 1



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Remarks		:	<ul> <li>Wear protective gloves. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.</li> <li>The selected protective gloves have to satisfy the specifi tions of Regulation (EU) 2016/425 and the standard EN 3 derived from it.</li> </ul>		
Respiratory protection		: Not required; except in case of aerosol formation.			
Filter	type	:	Filter type A-P		
Prote	ective measures	:	The type of protective equipment r to the concentration and amount of at the specific workplace. Choose body protection in relation tration and amount of dangerous s cific work-place.	f the dangerous substance to its type, to the concen-	

### **SECTION 9: Physical and chemical properties**

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

Appearance	:	liquid
Colour	:	yellow
Odour	:	characteristic
Odour Threshold	:	No data available
рН	:	Not applicable
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	> 200 °C Method: open cup
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower	:	No data available



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flai	mmability limit			
Va	pour pressure	:	< 0,001 hPa (20 °C)	
Re	lative vapour density	:	No data available	
Re	lative density	:	0,85 (20 °C) Reference substance: Water The value is calculated	
De	nsity	:	0,85 g/cm3 (20 °C)	
Bu	lk density	:	No data available	
So	lubility(ies) Water solubility	:	insoluble	
	Solubility in other solvents	<b>S</b> :	No data available	
	rtition coefficient: n- tanol/water	:	No data available	
Au	to-ignition temperature	:	No data available	
De	composition temperature	:	No data available	
Vis	scosity Viscosity, dynamic	:	No data available	
	Viscosity, kinematic	:	100 mm2/s (40 °C)	
Ex	plosive properties	:	Not explosive	
Ox	idizing properties	:	No data available	
9.2 Oth	er information			
Su	blimation point	:	No data available	
Se	lf-ignition	:	No data available	

### **SECTION 10: Stability and reactivity**

#### **10.1 Reactivity**

No hazards to be specially mentioned.

#### **10.2 Chemical stability**

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions



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Haza	rdous reactions	: No dangerous react	ion known under conditions of normal use.		
	<b>ditions to avoid</b> litions to avoid	: No conditions to be	specially mentioned.		
	mpatible materials rials to avoid	: No materials to be e	especially mentioned.		
10.6 Haza	10.6 Hazardous decomposition products				

No decomposition if stored and applied as directed.

### **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

Acute toxicity		
Product:		
Acute oral toxicity	:	Remarks: This information is not available.
Acute inhalation toxicity	:	Remarks: This information is not available.
Acute dermal toxicity	:	Remarks: This information is not available.
Components:		
amines, C10-14-tert-alkyl:		
Acute oral toxicity	:	LD50 (Rat): 612 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	:	LC50 (Rat): 1,19 mg/l Exposure time: 4 h Test atmosphere: vapour Method: OECD Test Guideline 403
Acute dermal toxicity	:	LD50 (Rat): 251 mg/kg Method: OECD Test Guideline 402
Skin corrosion/irritation		
Product:		
Remarks	:	This information is not available.
Components:		
amines, C10-14-tert-alkyl:		
Assessment	:	Causes burns.



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Resul	t	:	Causes burns.	
Serio	us eye damage/eye	e irritati	on	
<u>Prod</u> u	ıct:			
Rema		:	This information is not available.	
<u>Comp</u>	onents:			
amine	es, C10-14-tert-alky	/l:		
Speci	es	:	Rabbit	
	sment	:	Risk of serious damage to eyes.	
Metho		:	OECD Test Guideline 405	
Resul	t	:	Irreversible effects on the eye	
Respi	ratory or skin sen	sitisatio	n	
<u>Produ</u>	<u>ict:</u>			
Rema	rks	:	This information is not available.	
Comp	oonents:			
amine	es, C10-14-tert-alky	/l:		
Speci	es	:	Guinea pig	
Asses	sment	:	The product is a skin sensitiser, sub-	-category 1A.
Metho	-	:	OECD Test Guideline 406	
Resul	t	:	Probability or evidence of high skin s mans	sensitisation rate in hu-
Germ	cell mutagenicity			
Produ	ıct:			
Genot	oxicity in vitro	:	Remarks: No data available	
Genot	oxicity in vivo	:	Remarks: No data available	
Comp	onents:			
amine	es, C10-14-tert-alky	/l:		
	oxicity in vitro	:	Test Type: In vitro mammalian cell g	ene mutation test
20110		•	Test system: Chinese hamster ovary	
			Method: OECD Test Guideline 476	
			Result: negative	
			Test Type: Ames test	
			Test system: Salmonella typhimuriur	n
			Method: OECD Test Guideline 471	



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Genot	oxicity in vivo	:	Test Type: Chromosome aberration Species: Mouse Application Route: Oral Method: OECD Test Guideline 47 Result: negative	
	Germ cell mutagenicity- As- sessment		Animal testing did not show any m	nutagenic effects.
Carcir	nogenicity			
<u>Produ</u>	<u>ict:</u>			
Rema	rks	:	No data available	
Repro	oductive toxicity			
<u>Produ</u>	<u>ict:</u>			
Effects	s on fertility	:	Remarks: No data available	
Effects ment	s on foetal develop-	:	Remarks: No data available	
<u>Comp</u>	onents:			
amine	es, C10-14-tert-alkyl:			
Effects ment	s on foetal develop-	:	Species: Rat Method: OECD Test Guideline 41 Result: No effects on fertility and e ment were detected.	
Repro sessm	ductive toxicity - As- nent	:	Animal testing did not show any e Animal testing did not show any e ment.	
STOT	- single exposure			
<u>Comp</u>	onents:			
	es, C10-14-tert-alkyl: sment	:	May cause respiratory irritation.	
STOT	- repeated exposure			
<u>Comp</u>	onents:			
amine	es, C10-14-tert-alkyl:			
Asses	sment	:	The substance or mixture is not cl organ toxicant, repeated exposure	



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Repe	ated dose toxicity		
Prod	uct:		
Rema	arks	: This information is not available.	
Com	ponents:		
amin	es, C10-14-tert-alky	I:	
Speci	ies	: Rat	
NOA		: 19 mg/kg	
	cation Route	: Inhalation	
Test a Metho	atmosphere od	: vapour : OECD Test Guideline 412	
Medin			
Spec		: Rat	
NOAI		: 20 mg/kg	
Applie	cation Route	: Skin contact : OECD Test Guideline 410	
<b>A</b>			
	ration toxicity		
Prod			
This i	information is not ava	ilable.	
Com	ponents:		
amin	es, C10-14-tert-alky	l:	
No as	spiration toxicity class	sification	
Furth	ner information		
Prod	uct:		
Rema	arks	: Information given is based on data of	n the components and
		the toxicology of similar products.	
ECTION	N 12: Ecological ir	formation	
2.1 Toxic	city		
Prod	uct:		
	ity to fish	: Remarks: No data available	

Toxicity to fish	:	Remarks: No data available
Toxicity to daphnia and other aquatic invertebrates	:	Remarks: No data available
Toxicity to algae/aquatic plants	:	Remarks: No data available



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	Toxicity	y to microorganisms	:	Remarks: No data available				
	Compo	onents:						
	amines	s, C10-14-tert-alkyl:						
	Toxicity	y to fish	:	LC50 (Oncorhynchus mykiss (rain Exposure time: 96 h Method: OECD Test Guideline 203				
		y to daphnia and other invertebrates	:	EC50 (Daphnia magna (Water flea Exposure time: 48 h	a)): 2,5 mg/l			
	Toxicity plants	y to algae/aquatic	:	EC50 (Selenastrum capricornutum (green algae)): 0,44 mg/l Exposure time: 72 h Test Type: Growth inhibition Method: OECD Test Guideline 201				
	M-Fact icity)	or (Acute aquatic tox-	:	1				
	Toxicity to fish (Chronic tox- icity)		:	NOEC: 0,078 mg/l Exposure time: 96 d Species: Oncorhynchus mykiss (ra Method: OECD Test Guideline 210				
	M-Factor (Chronic aquatic toxicity)		:	1				
12.2	Persis	tence and degradabi	lity					
	Produc	<u>ct:</u>						
	Biodeg	radability	:	Remarks: No data available				
	Physico ity	o-chemical removabil-	:	Remarks: No data available				
	Compo	onents:						
	amines, C10-14-tert-alkyl: Biodegradability		:	Inoculum: activated sludge Concentration: 4 mg/l Result: Not rapidly biodegradable Biodegradation: 21,8 % Exposure time: 28 d Method: OECD Test Guideline 30 <sup>-</sup>	1D			
12.3	Bioaco	cumulative potential						
	Produce Bioacci	<u>ct:</u> umulation		Remarks: This mixture contains no	o substance considered to			
			•	40 / 47	a brand of			



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		be persistent, bioaccumulating and toxic (PBT This mixture contains no substance considere persistent and very bioaccumulating (vPvB).	
Com	ponents:		
Parti	nes, C10-14-tert-alkyl: tion coefficient: n- nol/water	: log Pow: 2,9 (20 °C)	
12.4 Mob	ility in soil		
<u>Proc</u> Mobi		: Remarks: No data available	
	ibution among environ- tal compartments	: Remarks: No data available	
12.5 Res	ults of PBT and vPvB	ssessment	
Proc	luct:		
	essment	<ul> <li>This substance/mixture contains no component to be either persistent, bioaccumulative and to very persistent and very bioaccumulative (vPv 0.1% or higher</li> </ul>	oxic (PBT), or
12.6 Othe	er adverse effects		
Proc	luct:		
Endo tial	ocrine disrupting poten-	<ul> <li>The substance/mixture does not contain comp ered to have endocrine disrupting properties a REACH Article 57(f) or Commission Delegate (EU) 2017/2100 or Commission Regulation (E levels of 0.1% or higher.</li> </ul>	according to d regulation
Addi matio	tional ecological infor- on	: No information on ecology is available.	
SECTIO	N 13: Disposal cons	derations	
13.1 Was	te treatment methods		
Prod	luct	: The product should not be allowed to enter dra courses or the soil.	ains, water
		Waste codes should be assigned by the user	based on the

		application for which the product was used.
Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as



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		the unused product. Dispose of waste product or used local regulations.	containers according to
		The following Waste Codes are or	nly suggestions:
Wast	e Code	: unused product 13 02 06*, synthetic engine, gear	and lubricating oils
		uncleaned packagings 15 01 10, packaging containing re by hazardous substances	sidues of or contaminated

### **SECTION 14: Transport information**

#### 14.1 UN number

ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.2 UN proper shipping name		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.3 Transport hazard class(es)		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.4 Packing group		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
		0 0 0
IMDG	:	Not regulated as a dangerous good



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ΙΑΤΑ	(Cargo)	: Not regulated as a dangerous goo	bd
ΙΑΤΑ	(Passenger)	: Not regulated as a dangerous goo	bd
14.5 Envi	ronmental hazards		
ADN		: Not regulated as a dangerous goo	od
ADR		: Not regulated as a dangerous goo	bd
RID		: Not regulated as a dangerous goo	bd
IMDO	G	: Not regulated as a dangerous goo	bd
IATA (Passenger)		: Not regulated as a dangerous goo	bd
ΙΑΤΑ	(Cargo)	: Not regulated as a dangerous goo	bd
14.6 Spec	cial precautions for	user	
Not a	applicable		
14.7 Tran	sport in bulk accord	ling to Annex II of Marpol and the IBC C	Code
Rem	arks	: Not applicable for product as supp	olied.

## SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: This product does not contain sub- stances of very high concern (Regu- lation (EC) No 1907/2006 (REACH), Article 57).	
REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable	
Regulation (EC) No 1005/2009 on substances that de- plete the ozone layer	: Not applicable	
Regulation (EU) 2019/1021 on persistent organic pollu- tants (recast)	: Not applicable	
Regulation (EC) No 649/2012 of the European Parlia- ment and the Council concerning the export and import of dangerous chemicals	: Not applicable	
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	: Not applicable	

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Not applicable



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Volatil	e organic compounds	: Directive 2010/75/EU of 24 Nover emissions (integrated pollution pre Volatile organic compounds (VOC	evention and control)

#### 15.2 Chemical safety assessment

This information is not available.

#### **SECTION 16: Other information**

#### **Full text of H-Statements**

H302 :	Harmful if swallowed.
H311 :	Toxic in contact with skin.
H314 :	Causes severe skin burns and eye damage.
H317 :	May cause an allergic skin reaction.
H318 :	Causes serious eye damage.
H330 :	Fatal if inhaled.
H335 :	May cause respiratory irritation.
H400 :	Very toxic to aquatic life.
H410 :	Very toxic to aquatic life with long lasting effects.

#### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN -Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS -Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response: GHS - Globally Harmonized System: GLP -Good Laboratory Practice: IARC - International Agency for Research on Cancer: IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL -International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous



according to Regulation (EC) No. 1907/2006 - SK



## Klübersynth GEM 4-100 N (H)

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Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

#### **Further information**

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