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

1.1 F	Product identifier		
	Product name	:	OKS 1105
1.2 F	Relevant identified uses of th	e s	ubstance or mixture and uses advised against
	Use of the	:	Lubricant
	Substance/Mixture		
	Recommended restrictions	:	Restricted to professional users.
	on use		•
1.3 [Details of the supplier of the	saf	ety data sheet
	Company	:	OKS Spezialschmierstoffe GmbH
			Ganghoferstr. 47 82216 Maisach-Gernlinden
			Deutschland
			Tel.: +49 8142 3051 500
			Fax: +49 8142 3051 599
			info@oks-germany.com
	E-mail address of person	:	mcm@oks-germany.com
	responsible for the SDS		
	National contact	:	
4 4 6	Emorgonov tolonhono numbr		

1.4 Emergency telephone number

Emergency telephone	:	+49 8142 3051 517
number		

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

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.





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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.

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

5

3.2 Mixtures

Chemical nature

silicone oil Thickening agent

Components

Chemical name	CAS-No.	Classification	specific	Concentration
	EC-No.		concentration	(% w/w)
			limit	
	Index-No.		M-Factor	
	Registration number		Notes	
			Acute toxicity	
			estimate	
Substances with a work	place exposure limit :			
silicon dioxide	7631-86-9	Not classified		>= 1 - < 10
	231-545-4			
	01-2119379499-16-			
	XXXX			

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.
 If breathing is irregular or stopped, administer artificial





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			respiration.	
In cas	se of skin contact	:	Remove contaminated clothing. If medical attention. Wash off with soap and water.	irritation develops, get
In cas	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 without me	edical advice.
4.2 Most i	important symptom	s and	effects, both acute and delayed	
Symp	otoms	:	No symptoms known or expected.	
Risks	3	:	None known.	
4.3 Indica	tion of any immedia	ate me	dical attention and special treatm	ent needed
Treat	ment	:	Treat symptomatically.	

5.1 Extinguishing media

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Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	:	High volume water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion	: Carbon oxi	des
products	Metal oxide	s

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 decomposition products may be a hazard to health.
Further information	:	Standard procedure for chemical fires.





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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

•		
Personal precautions	:	Evacuate personnel to safe areas.
		Use the indicated respiratory protection if the occupational
		exposure limit is exceeded and/or in case of product release
		(dust).
		Avoid breathing dust.
		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.
	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	:	Clean up promptly by sweeping or vacuum.
		Keep in suitable, closed containers 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 safe handling :	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application 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, including 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.
Storage class (TRGS 510)	:	11, Combustible Solids





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7.3 Specific end use(s)

Specific use(s)

: Specific instructions for handling, not required.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis		
silicon dioxide	7631-86-9	AGW (Inhalable	4 mg/m3	DE TRGS		
		fraction)	(Silica)	900		
				(2013-09-19)		
	Further inform	nation: When there is	compliance with the OEL ar	nd biological		
	tolerance valu	ies, there is no risk c	of harming the unborn child	_		
		MAK (measured	0,3 mg/m3	DE DFG MAK		
		as the alveolate	-	(2023-07-01)		
		fraction)				
	Further information: Damage to the embryo or foetus is unlikely when the					
	MAK value or the BAT value is observed					
		MAK (measured	0,02 mg/m3	DE DFG MAK		
		as the alveolate	_	(2023-07-01)		
		fraction)				
	Further information: Damage to the embryo or foetus is unlikely when the					
	MAK value or the BAT value is observed					

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

Substance name	End Use	Exposure routes	Potential health effects	Value
silicon dioxide	Workers	Inhalation		4 mg/m3

8.2 Exposure controls

Engineering measures

It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment.

Personal protective equipment

Eve/feee protection		Sofaty glasses with side shields
Eye/face protection	·	Safety glasses with side-shields
Hand protection		
Material	:	butyl-rubber
Break through time	:	> 10 min
Protective index	:	Class 1

Remarks

: For prolonged or repeated contact use protective gloves. The





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		material, the has to be me The selected	thickness and the ty easured for each case I protective gloves has s of Regulation (EU)	
Skin	and body protection			n to its type, to the gerous substances, and to
Resp	iratory protection	: Not required	; except in case of a	erosol formation.
Fi	Filter type :			
Protective measures :		to the conce		must be selected according of the dangerous substance
	ronmental exposure	ontrols		
Air		: No special e	nvironmental precaut	tions required.
Soil		:		
		The product courses or the transformed set of		d to enter drains, water
Wate	er	:		
		The product courses or th		d to enter drains, water

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	solid
Colour	:	white
Odour	:	odourless
Odour Threshold	:	No data available



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Ν	Melting	point/range	:	No data available	
E	Boiling	point/boiling range	:	No data available	
F	Flamma	ability (solid, gas)	:	Combustible Solids	
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
F	Flash po	oint	:	Not applicable	
ŀ	Auto-igr	nition temperature	:	No data available	
[Decomp	position temperature	:	No data available	
þ	Η		:	Not applicable substance/mixture is non-soluble	(in water)
١		osity, dynamic	:	No data available	
		osity, kinematic	÷	Not applicable	
	Solubilit Wate	:y(ies) er solubility	:	insoluble	
	Solu	bility in other solvents	:	No data available	
	Partitior octanol/	n coefficient: n- /water	:	No data available	
١	Vapour	pressure	:	< 0,001 hPa (20 °C)	
F	Relative	e density	:	0,95 (20 °C) Reference substance: Water The value is calculated	
[Density		:	1,05 g/cm3 (20 °C)	
E	Bulk de	nsity	:	No data available	
F	Relative	e vapour density	:	No data available	

9.2 Other information





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Explosives	: Not explosive	
Oxidizing properties	: No data available	
Self-ignition	: No data available	
Metal corrosion rate	: Not corrosive to metals	
Evaporation rate	: No data available	
Sublimation point	: 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

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : No conditions to be specially mentioned.

10.5 Incompatible materials

Materials to avoid : No materials to be especially mentioned.

10.6 Hazardous decomposition products

Hazardous decomposition : >150 °C small quantities of formaldehyde may be formed. products

SECTION 11: Toxicological information

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

Acute toxicity

Product:

Acute oral toxicity	:	Remarks: This information is not available.
Acute inhalation toxicity	:	Remarks: This information is not available.



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rsion	Revision Date: 17.02.2025		e of last issue: 08.12.2021 e of first issue: 10.06.2016	Print Date: 17.02.2025
A			Remarks: This information is not a	
Acute	e dermal toxicity	•	Remarks. This information is not a	
<u>Com</u>	ponents:			
silico	on dioxide:			
Acute	e oral toxicity	:	LD50 (Rat): > 5.000 mg/kg Method: OECD Test Guideline 40)1
Acute	e dermal toxicity	:	LD50 (Rabbit): > 5.000 mg/kg	
Skin	corrosion/irritation			
Prod	uct:			
Rema		:	This information is not available.	
<u>Com</u>	ponents:			
silico	on dioxide:			
Speci	ies	:	Rabbit	
	ssment	:	No skin irritation	
Metho		:	OECD Test Guideline 404	
Result GLP		:	No skin irritation yes	
Serio Prode Rema		e irritati :	on This information is not available.	
Com	ponents:			
	on dioxide:			
Speci			Rabbit	
•	ssment	:	No eye irritation	
Metho		:	OECD Test Guideline 405	
Result :		No eye irritation		
GLP		:	yes	
Resp	iratory or skin sens	sitisatio	n	
Prod				
Rema	arks	:	This information is not available.	
<u>Com</u>	ponents:			
silico	on dioxide:			
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/ersion .4	Revision Date: 17.02.2025		e of last issue: 08.12.2021 e of first issue: 10.06.2016	Print Date: 17.02.2025
Test Type Species Assessment Method Result Test Type Species Assessment Method Result		:	Local lymph node assay (LLNA) Mouse Does not cause skin sensitisation. OECD Test Guideline 429 Does not cause skin sensitisation.	
		:	Maximisation Test Guinea pig Does not cause skin sensitisation. OECD Test Guideline 406 Does not cause skin sensitisation.	
Germ	cell mutagenicity			
Produ	uct:			
Geno	toxicity in vitro	:	Remarks: No data available	
Geno	toxicity in vivo	:	Remarks: No data available	
Com	ponents:			
silico	on dioxide:			
Geno	toxicity in vitro	:	Test Type: gene mutation test Method: OECD Test Guideline 471 Result: negative	
			Test Type: gene mutation test Method: OECD Test Guideline 490 Result: negative	
			Test Type: Chromosome aberration Method: OECD Test Guideline 473 Result: negative	test in vitro
Germ cell mutagenicity- Assessment		:	Tests on bacterial or mammalian ce mutagenic effects.	Il cultures did not show
Carci	nogenicity			
<u>Produ</u> Rema		:	No data available	
<u>Com</u>	ponents:			
silicon dioxide: Carcinogenicity - : Assessment		:	No evidence of carcinogenicity in an	nimal studies.



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Repro	oductive toxicity			
Produ	<u>uct:</u>			
Effect	s on fertility	:	Remarks: No data available	
Effects on foetal development		:	Remarks: No data available	
<u>Comp</u>	oonents:			
silico	n dioxide:			
	ductive toxicity -	:	- Fertility -	
Asses	ssment		No toxicity to reproduction - Teratogenicity -	
			No effects on or via lactation	
sтот	- single exposure			
Produ	<u>uct:</u>			
Rema	irks	:	No data available	
<u>Comp</u>	oonents:			
silico	n dioxide:			
Asses	Assessment		The substance or mixture is not cl organ toxicant, single exposure.	assified as specific target
STOT	- repeated exposur	е		
Produ	ıct:			
Rema	rks	:	No data available	
<u>Comp</u>	oonents:			
silico	n dioxide:			
Assessment		:	The substance or mixture is not cl organ toxicant, repeated exposure	
Repe	ated dose toxicity			
Produ	<u>ict:</u>			
Rema			This information is not available.	





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Aspiration toxicity

Product:

This information is not available.

Components:

silicon dioxide:

No aspiration toxicity classification

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment	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.	
Further information		
Product:		
Remarks	Information given is based on data on the components and the toxicology of similar products.	

SECTION 12: Ecological information

12.1 Toxicity

Product:		
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
Toxicity to microorganisms	:	Remarks: No data available

Components:

silicon dioxide:





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Toxicity to fish		LC50 (Brachydanio rerio (zebrafish)): > 1 Exposure time: 96 h Method: OECD Test Guideline 203	0.000 mg/l
12.2 Persistence and degradabi	lity		
Product:			
Biodegradability	:	Remarks: No data available	
Physico-chemical removability	:	Remarks: No data available	
12.3 Bioaccumulative potential			
Product:			
Bioaccumulation	:	Remarks: No data available	
12.4 Mobility in soil			
Product:			
Mobility	:	Remarks: No data available	
Distribution among environmental compartments	:	Remarks: No data available	
12.5 Results of PBT and vPvB a	sse	ssment	
Product:			
Assessment	:	This substance/mixture contains no comp to be either persistent, bioaccumulative a very persistent and very bioaccumulative 0.1% or higher.	nd toxic (PBT), or
Components:			
silicon dioxide:			
Assessment	:	Non-classified vPvB substance. Non-clas	ssified PBT substance
12.6 Endocrine disrupting prope	ertie	2S	
Product:			

Assessment	 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.
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12.7 Other adverse effects

Product:

Additional ecological	:	No information on ecology is available.
information		

SECTION 13: Disposal considerations

13.1 Waste treatment methods					
Product :		The product should not be allowed to enter drains, water courses or the soil.			
		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 the unused product. Dispose of waste product or used containers according to local regulations.			
		The following Waste Codes are only suggestions:			
Waste Code	:	used product, unused product 12 01 12**, spent waxes and fats			
		uncleaned packagings 15 01 10*, packaging containing residues of or contaminated by hazardous substances			

SECTION 14: Transport information

14.1 UN number or ID 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



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RID		: Not regulated as a dangerous good		
IMDG		: Not regulated as a dangerous good		
IATA		: Not regulated as a dangerous good		
	sport hazard class(e			
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 Packi	ing group			
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	(Cargo)	: Not regulated as a dangerous good		
ΙΑΤΑ	(Passenger)	: Not regulated as a dangerous good		
14.5 Environmental hazards				
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		
14.6 Special precautions for user Not applicable				
14.7 Maritime transport in bulk according to IMO instruments				
Rema	irks	: Not applicable for product as supplied.		

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) Conditions of restriction for the following entries should be considered: Number on list 75
 If you intend to use this product as tattoo ink, please contact your





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				vendor.			
Conce	CH - Candidate List of ern for Authorisation SVHC)	f Substances of Very High (Article 59).	:	This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).			
deple	lation (EC) No 1005/2 te the ozone layer 1005/2009)	2009 on substances that	:	Not applicable			
	ants (recast)	1 on persistent organic	:	Not applicable			
Parlia	t of dangerous chem	I concerning the export and	:	Not applicable			
(Anne	CH - List of substance ex XIV) REACH-Annex XIV)	es subject to authorisation	:	Not applicable			
	lation (EU) 2019/114 sives precursors	3 on the marketing and use of	:	Not applicable			
Parlia major	so III: Directive 2012/ ment and of the Cou -accident hazards inv ances.	Not applicable					
Water (Germ	r hazard class nany)	: WGK 2 obviously haza Classification accordin					
TA Luft List (Germany) : 5.2.1: Total dust: others: 4,19 % 5.2.2: Inorganic substances in powdered form: Not applicable 5.2.4: Inorganic substances in gaseous form: Not applicable 5.2.5: Organic Substances: Class 1: 0,02 %				es in gaseous form:			



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				5.2.7.1.1: Carcinogenic substance: Not applicable 5.2.7.1.1: Quartz fine dust PM4: Not applicable 5.2.7.1.1: Formaldehyde: Not applicable 5.2.7.1.1: fibres: Not applicable 5.2.7.1.2: Germ cell mutagens: Not applicable 5.2.7.1.3: Substances toxic to reproduction Not applicable 5.2.7.2: Poorly degradable, easily enrichator organic substances: Not applicable	
	Volatile	organic compounds	:	Directive 2010/75/EU of 24 November 20 emissions (integrated pollution preventior Volatile organic compounds (VOC) conte	n and control)

15.2 Chemical safety assessment

This information is not available.

SECTION 16: Other information

Full text of H-Statements

Full text of other abbreviations

DE DFG MAK :	Germany. MAK BAT Annex IIa
DE TRGS 900 :	Germany. TRGS 900 - Occupational exposure limit values.
DE DFG MAK / MAK :	MAK value
DE TRGS 900 / AGW :	Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - 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



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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 Goods by Rail: SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals 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

Relevant changes compared to the last edition are highlighted at the left margin. This version replaces all previous editions.

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