according to Regulation (EC) No. 1907/2006 - PL (Commission Regulation (EU) 2020/878)



OKS 1112

Version	Revision Date:	Date of last issue: 30.11.2021	Print Date:
1.2	28.02.2023	Date of first issue: 02.05.2018	28.02.2023

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

1.1	Product identifier						
	Product name	:	OKS 1112				
126	Relevant identified uses of th	ne s	ubstance or mixture and uses advised against				
	Use of the Sub-						
	stance/Mixture	•	Lubricant				
	Recommended restrictions	:	Restricted to professional users.				
	on use						
4.0.1	Detaile of the annulian of the	6					
1.31	Details of the supplier of the	sat	-				
	Company	:	OKS Spezialschmierstoffe GmbH				
			Ganghoferstr. 47 D-82216 Maisach-Gernlinden				
			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		Material Compliance Management				
	National contact	:					
1.4 I	1.4 Emergency telephone number						
	Emergency telephone num-	:	+49 8142 3051 517				

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

ber

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.



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according to Regulation (EC) No. 1907/2006 - PL (Commission Regulation (EU) 2020/878)



OKS 1112

Version	Revision Date:	Date of last issue: 30.11.2021	Print Date:
1.2	28.02.2023	Date of first issue: 02.05.2018	28.02.2023

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

3.2 Mixtures

Chemical nature	:	silicone oil Thickening agent
Components Remarks	:	No hazardous ingredients

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 respira- tion.
In case of skin contact	:	Remove contaminated clothing. If irritation develops, get med- ical attention. Wash off with soap and water.
In case of eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. If eye irritation persists, consult a specialist.
If swallowed	:	Move the victim to fresh air. Do not induce vomiting without medical advice.



according to Regulation (EC) No. 1907/2006 - PL (Commission Regulation (EU) 2020/878)



OKS 1112

Version	Revision Date:	Date of last issue: 30.11.2021	Print Date:
1.2	28.02.2023	Date of first issue: 02.05.2018	28.02.2023

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	:	No information available.
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Risks : None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment

: No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Hazardous combustion prod-	:	Carbon oxides
ucts		Nitrogen oxides (NOx)
		Metal oxides

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.

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). Do not breathe vapours, aerosols. 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.



according to Regulation (EC) No. 1907/2006 - PL (Commission Regulation (EU) 2020/878)



OKS 1112

Version	Revision Date:	Date of last issue: 30.11.2021	Print Date:
1.2	28.02.2023	Date of first issue: 02.05.2018	28.02.2023

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 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, 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.
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

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
silicon dioxide	Workers	Inhalation		4 mg/m3
Polyethylene glycol #1200	Workers	Inhalation	Long-term systemic effects	117,544 mg/m3
	Workers	Skin contact	Long-term systemic effects	66,667 mg/kg bw/day

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



according to Regulation (EC) No. 1907/2006 - PL (Commission Regulation (EU) 2020/878)



OKS 1112

Version	Revision Date:	Date of last issue: 30.11.2021	Print Date:
1.2	28.02.2023	Date of first issue: 02.05.2018	28.02.2023

Substance name	Environmental Compartment	Value
Polyethylene glycol #1200	Fresh water	0,016 mg/l
	Marine water	0,002 mg/l
	Soil	4,423 mg/kg
	Fresh water sediment	15,91 mg/kg
	Marine sediment	15,91 mg/kg
	Sewage treatment plant	77,063 mg/l

8.2 Exposure controls

....

Engineering measures

none						
Personal protective equipment						
Eye protection	:	Safety glasses with side-shields				
Hand protection Material Break through time Protective index	-	Nitrile rubber > 10 min Class 1				
Remarks	:	For prolonged or repeated contact use 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. The selected protective gloves have to satisfy the specifica- tions of Regulation (EU) 2016/425 and the standard EN 374 derived from it.				
Skin and body protection	:	Choose body protection in relation to its type, to the concen- tration and amount of dangerous substances, and to the spe- cific work-place.				
Respiratory protection	:	Not required; except in case of aerosol formation.				
Filter type	:	Filter type P				
Protective measures	:	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.				

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	paste

- Colour : colourless
- Odour : odourless



according to Regulation (EC) No. 1907/2006 - PL (Commission Regulation (EU) 2020/878)



OKS 1112

Vers 1.2	sion	Revision Date: 28.02.2023		of last issue: 30.11.2021 of first issue: 02.05.2018	Print Date: 28.02.2023
	Odour	Threshold	:	No data available	
	Melting	point/range	:	No data available	
	Boiling	point/boiling range	:	No data available	
	Flamm	ability (solid, gas)	:	Combustible Solids	
		explosion limit / Upper ability limit	:	No data available	
		explosion limit / Lower ability limit	:	No data available	
	Flash p	point	:	> 150 °C	
	Auto-ig	nition temperature	:	No data available	
	Decom	position temperature	:	No data available	
	рН		:	Not applicable substance/mixture is non-soluble (in wate	er)
	Viscosi Visc	ity cosity, dynamic	:	No data available	
	Viso	cosity, kinematic	:	No data available	
	Solubili Wat	ity(ies) ter solubility	:	insoluble	
	Solu	ubility in other solvents	s :	No data available	
	Partitio octanol	n coefficient: n- I/water	:	No data available	
	Vapour	rpressure	:	< 1.100 hPa (20 °C)	
	Relativ	e density	:	1 (20 °C) Reference substance: Water The value is calculated	
	Density	/	:	1,00 g/cm3 (20 °C)	
	Bulk de	ensity	:	No data available	
	Relativ	e vapour density	:	No data available	



according to Regulation (EC) No. 1907/2006 - PL (Commission Regulation (EU) 2020/878)



OKS 1112

Version 1.2	Revision Date: 28.02.2023	Date of last issue: 30.11.2021 Date of first issue: 02.05.2018	Print Date: 28.02.2023
	information psives	: Not explosive	
Oxidi	zing properties	: No data available	
Self-i	gnition	: No data available	
Evap	oration rate	: No data available	
Subli	mation 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

>150 °C small quantities of formaldehyde may be formed.

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.
Acute dermal toxicity	:	Remarks: This information is not available.



according to Regulation (EC) No. 1907/2006 - PL (Commission Regulation (EU) 2020/878)



OKS 1112

rsion 2	Revision Date: 28.02.2023		e of last issue: 30.11.2021 e of first issue: 02.05.2018	Print Date: 28.02.2023
Skin c	corrosion/irritation			
<u>Produ</u>	ict:			
Rema		:	This information is not available.	
Seriou	us eye damage/eye i	irritati	on	
<u>Produ</u>	ict:			
Rema	rks	:	This information is not available.	
Respi	ratory or skin sensit	tisatio	n	
<u>Produ</u>	<u>ict:</u>			
Rema	rks	:	This information is not available.	
Germ	cell mutagenicity			
Produ	ict:			
Genot	oxicity in vitro	:	Remarks: No data available	
Genot	oxicity in vivo	:	Remarks: No data available	
Carcir	nogenicity			
Produ	ict:			
Rema		:	No data available	
Repro	ductive toxicity			
<u>Produ</u>	ict:			
Effects	s on fertility	:	Remarks: No data available	
Effects ment	s on foetal develop-	:	Remarks: No data available	
Repea	ated dose toxicity			
<u>Produ</u>	ict:			
Rema	rks	:	This information is not available.	
Aspira	ation toxicity			
<u>Produ</u>	<u>ict:</u>			
	nformation is not avail	able.		



according to Regulation (EC) No. 1907/2006 - PL (Commission Regulation (EU) 2020/878)



OKS 1112

Version	Revision Date:	Date of last issue: 30.11.2021	Print Date:
1.2	28.02.2023	Date of first issue: 02.05.2018	28.02.2023

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment	The substance/mixture does not contain components consid- ered 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
	Ecotoxicology Assessment		
	Chronic aquatic toxicity		This product has no known ecotoxicological effects.
12.2	Persistence and degradabil	ity	
	Product:		
	Biodegradability	:	Remarks: No data available
	Physico-chemical removabil- ity	:	Remarks: No data available
12.3	Bioaccumulative potential		
	Product:		
	Bioaccumulation	:	Remarks: This mixture contains no substance considered to

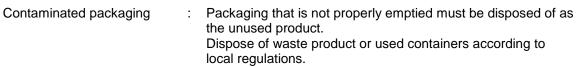


according to Regulation (EC) No. 1907/2006 - PL (Commission Regulation (EU) 2020/878)



OKS 1112

OKS 11	12			
Version 1.2	Revision Date: 28.02.2023		e of last issue: 30.11.2021 e of first issue: 02.05.2018	Print Date: 28.02.2023
			be persistent, bioaccumulating and This mixture contains no substanc persistent and very bioaccumulatir	e considered to be very
12.4 Mob	ility in soil			
<u>Prod</u> Mobi		:	Remarks: No data available	
	ibution among environ- al compartments	:	Remarks: No data available	
12.5 Resu	ults of PBT and vPvB	asse	ssment	
Prod	luct:			
	ssment	:	This substance/mixture contains n to be either persistent, bioaccumul very persistent and very bioaccum 0.1% or higher.	lative and toxic (PBT), or
12.6 Ende	ocrine disrupting prop	pertie	25	
Prod	luct:			
Asse	ssment	:	The substance/mixture does not co ered to have endocrine disrupting REACH Article 57(f) or Commissio (EU) 2017/2100 or Commission Re levels of 0.1% or higher.	properties according to on Delegated regulation
12.7 Othe	er adverse effects			
<u>Prod</u> Addit matic	tional ecological infor-	:	No information on ecology is availa	able.
SECTIO	N 13: Disposal cons	ider	ations	
13 1 \//~~	te treatment methods			
Prod		:	Waste codes should be assigned I application for which the product w	
			The product should not be allowed courses or the soil.	to enter drains, water
Cont	aminated packaging	:	Packaging that is not properly emp	otied must be disposed of as





according to Regulation (EC) No. 1907/2006 - PL (Commission Regulation (EU) 2020/878)



OKS 1112

Version 1.2	Revision Date: 28.02.2023		te of last issue: 30.11.2021 te of first issue: 02.05.2018	Print Date: 28.02.2023
Waste	e Code	:	The following Waste Codes are only su used product, unused product 12 01 12*, spent waxes and fats uncleaned packagings 15 01 10*, packaging containing residu 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
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
IMDG	:	Not regulated as a dangerous good
IATA (Cargo)	:	Not regulated as a dangerous good
IATA (Passenger)	:	Not regulated as a dangerous good



according to Regulation (EC) No. 1907/2006 - PL (Commission Regulation (EU) 2020/878)



OKS 1112

Version	Revision Date:	Date of last issue: 30.11.2021	Print Date:
1.2	28.02.2023	Date of first issue: 02.05.2018	28.02.2023

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	
1.6 Special precautions for user				

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

	Remarks	: 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)	: Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). (EU SVHC)	: 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) (EU. REACH-Annex XIV)	: Not applicable
Regulation (EC) No 1005/2009 on substances that de- plete the ozone layer (EC 1005/2009)	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollu- tants (recast) (EU POP)	: Not applicable
Regulation (EC) No 649/2012 of the European Parlia- ment and the Council concerning the export and import of dangerous chemicals (EU PIC)	: 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 sub- stances.	Not applicable
5 1	of 24 November 2010 on industrial pollution prevention and control)



according to Regulation (EC) No. 1907/2006 - PL (Commission Regulation (EU) 2020/878)



OKS 1112

Version	Revision Date:	Date of last issue: 30.11.2021	Print Date:
1.2	28.02.2023	Date of first issue: 02.05.2018	28.02.2023

Volatile organic compounds (VOC) content: 0,08 %

Other regulations:

Act of 25 February 2011 on chemical substances and their mixtures (i.e. Journal of Laws of 2019, No. 0, item 1225)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 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 (Official Journal of the European Union L 353 from 31.12.2008) with further adaptation to technical progress (ATP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a 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 (Official Journal of the European Union L 396 from 30.12.2006, as amended).

Commission Regulation (EU) 2020/878

Ordinance of the Minister of Health of 10 August 2012 concerning the criteria and procedure of classification of chemical substances and their mixtures (consolidated text Dz. U. of 2015., pos. 208).

Ordinance of the Minister of Economy, Labour and Social Policy of 21st December 2005 concerning the basic requirements for personal protective equipment (Dz. U. Nr. 259, item 2173). Ordinance of the Minister of Labour and Social Policy of 12 June 2018 concerning the highest allowable concentrations and levels of the agents harmful for health in the workplace (Dz.U 2018 pos 1286, with later amendments).

Ordinance of the Minister of Health of 2nd February 2011 concerning tests and measurement of agents harmful for health in the workplace (Dz. U. Nr. 33, item 166 wraz z późn. zm.). Ordinance of the Minister of Health of 30th December 2004 on the health and safety of workers related to chemical agents at work (Dz. U. from 2005, Nr. 11, item 86, as amended).

Act of 14 December 2012. on Waste (Journal of Laws of 2013. pos. 21, as amended). Act of 13 June 2013. On packaging and packaging waste Journal. U. of 2013. Item. 888, as amended).

Ordinance of the Minister of Climate of 2nd January 2020 on Waste Catalog (Dz. U. 2020 item 10).

Ordinance of the Minister of Environment on the requirements for carrying out the process of thermal treatment of waste and how to deal with waste produced in the process. (Dz. U. of 2016., Pos. 108)

Act of 19 August 2011 on transport of dangerous goods (Dz. U. Nr. 227, item 1367, as amended).

Government Statement of 18 February 2019 on enforcing of changes Annexes A and B of Agreement concerning international transport of dangerous goods by road (ADR) (Dz. U. 2019, item 769).

Ordinance of the Minister of Health of 20th April 2012 concerning labeling of containers of dangerous substances and dangerous mixtures and some mixtures ((consolidated text) Dz. U. z 2015 nr. 0 poz. 450).

Ordinance of the Minister of Health of 11th June 2012 concerning categories of dangerous substances and dangerous mixtures for which containers must be fitted with child-resistant fastenings and a tactile warning of danger (Dz. U. from 2012, item 688 as amended).



according to Regulation (EC) No. 1907/2006 - PL (Commission Regulation (EU) 2020/878)



OKS 1112

Version Revision Date: 1.2 28.02.2023

Date of last issue: 30.11.2021 Date of first issue: 02.05.2018 Print Date: 28.02.2023

15.2 Chemical safety assessment

This information is not available.

SECTION 16: Other information

Full text of other abbreviations

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 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

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according to Regulation (EC) No. 1907/2006 - PL (Commission Regulation (EU) 2020/878)



OKS 1112

Version	Revision Date:	Date of last issue: 30.11.2021	Print Date:
1.2	28.02.2023	Date of first issue: 02.05.2018	28.02.2023

from third parties are up-to-date. All information and instructions in this safety data sheet have been compiled to the best of our knowledge and are based on the information available to us on the day of publication. The information provided is intended to describe the product in relation to the required safety measures; it is neither an assurance of characteristics nor a guarantee of the product's suitability for particular applications and does not justify any contractual legal relationship. The existence of a safety data sheet for a particular jurisdiction does not necessarily mean that import or use within that jurisdiction is legally permitted. If you have any questions, please contact your responsible sales contact or authorized trading partner.

