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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name : OKS 427

Manufacturer or supplier's details								
Company name of supplier	:	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 responsible for the SDS	:	mcm@oks-germany.com Material Compliance Management						
Emergency telephone number	:	+7 495 628 1687 +49 8142 3051 517						
Recommended use of the chemical and restrictions on use								
Recommended use	:	Lubricant						
Restrictions on use	:	Restricted to professional users.						

2. HAZARDS IDENTIFICATION

GHS Classification (According to GOST 32423, GOST 32424 and GOST 32425)					
Skin sensitisation	:	Category 1			
GHS-Labelling (According the Hazard pictograms	to GC :	DST 31340)			
Signal word	:	Warning			
Hazard statements	:	H317 May cause an allergic skin reaction.			
Precautionary statements	:	Prevention: P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves.			
		Response: P302 + P352 IF ON SKIN: Wash with plenty of water. P333 + P313 If skin irritation or rash occurs: Get medical			



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advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

Other hazards which do not result in classification None known.

:

3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical nature

Mineral oil. Synthetic hydrocarbon oil polyurea

Components

Chemical name	Concentration (% w/w)	Occupational E Limits	xposure	CAS-No.	EC-No.	
		MAC value mg/m3 / TSEL value	Hazard Class			
reaction product of diphenylmethanediisocy anate, octylamine and oleylamine (molar ratio1:1.86:0.14)	>= 2,5 - < 10	No data available			430-930-6	
Molybdenum trioxide, reaction products with bis[O,O-bis(2- ethylhexyl)] hydrogen dithiophosphate	>= 0,25 - < 1	No data available			947-946-9	
4-ethyl-2-(8- heptadecenyl)-2- oxazoline-4-methanol	>= 0,1 - < 0,25	No data available		68140-98-7	268-820-3	

4. FIRST AID MEASURES

If inhaled	 Remove person to fresh air. If signs/symptoms continue medical attention. Keep patient warm and at rest. If unconscious, place in recovery position and seek med advice. Keep respiratory tract clear. If breathing is irregular or stopped, administer artificial respiration. 	-
In case of skin contact	: Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water.	



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		Get medical attention immed persists. Wash clothing before reuse. Thoroughly clean shoes befo	
In ca	ase of eye contact	: Rinse immediately with plent for at least 10 minutes. If eye irritation persists, cons	ty of water, also under the eyelids, sult a specialist.
If swallowed		advice. Keep respiratory tract clear. Do not induce vomiting witho	overy position and seek medical out medical advice. th to an unconscious person.
	t important symptoms effects, both acute and yed	: May cause an allergic skin re Allergic appearance	eaction.
Note	es to physician	: The first aid procedure shou with the doctor responsible f	ld be established in consultation or industrial medicine.

5. FIREFIGHTING MEASURES

Flammable properties		
Flash point Ignition temperature	:	Not applicable No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flammability (solid, gas)	:	Combustible Solids
Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	:	High volume water jet
Hazardous combustion products	:	Carbon oxides Nitrogen oxides (NOx) Metal oxides
Further information	:	Standard procedure for chemical fires.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.



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Exposure to decomposition products may be a hazard to health.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	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.
Environmental precautions	:	Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Advice on safe handling	:	Avoid contact with skin and eyes. For personal protection see section 8. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Wash hands and face before breaks and immediately after handling the product. Do not get in eyes or mouth or on skin. Do not get on skin or clothing. Do not ingest. Do not repack. These safety instructions also apply to empty packaging which may still contain product residues. Keep container closed when not in use.
Conditions for safe storage	:	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.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

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.

Respiratory protection	:	Not required; except in case of aerosol formation.
Filter type	:	Filter type P
Hand protection Material Break through time Protective index	:	butyl-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.
Eye protection	:	Safety glasses with side-shields
Skin and body protection	:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Protective measures	:	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hygiene measures	:	Wash face, hands and any exposed skin thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	solid
Colour	:	yellow, brown
Odour	:	characteristic



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	Odour	Threshold	:	No data available	
	рН		:	Not applicable substance/mixture is non-soluble (in wate	er)
	Melting	point/range	:	No data available	
	Boiling	point/boiling range	:	No data available	
	Flash p	point	:	Not applicable	
	Evapor	ation rate	:	No data available	
	Flamm	ability (solid, gas)	:	Combustible Solids	
	Self-igr	nition	:	not auto-flammable	
		explosion limit / Upper ability limit	:	No data available	
		explosion limit / Lower ability limit	:	No data available	
	Vapou	rpressure	:	< 0,001 hPa (20 °C)	
	Relativ	e vapour density	:	No data available	
	Relativ	e density	:	0,88 (20 °C) Reference substance: Water The value is calculated	
	Density	/	:	0,88 g/cm3 (20 °C)	
	Bulk de	ensity	:	No data available	
	Solubil Wat	ity(ies) ter solubility	:	insoluble	
	Solu	ubility in other solvents	;	No data available	
	Partitio octano	n coefficient: n- I/water	:	No data available	
	Auto-ig	nition temperature	:	No data available	
	Decom	position temperature	:	No data available	
	Viscosi Visc	ity cosity, dynamic	:	No data available	



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	iscosity, kinematic osive properties	Not applicableNot explosive	
Subli	izing properties mation point I corrosion rate	No data availableNo data availableNot corrosive to metals	

10. STABILITY AND REACTIVITY

Reactivity	:	No hazards to be specially mentioned.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	No conditions to be specially mentioned.
Incompatible materials	:	No materials to be especially mentioned.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	
Product: Acute oral toxicity	: Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method
Acute inhalation toxicity	: Remarks: This information is not available.
Acute dermal toxicity	: Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method
	Symptoms: Redness, Local irritation



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sion	Revision Date: 31.08.2022		of last issue: 29.10.2018 of first issue: 20.03.2014	Print Date: 31.08.2022
<u>Com</u>	ponents:			
	ion product of diph I:1.86:0.14):	enylmet	hanediisocyanate, octylamine a	nd oleylamine (molar
Acute	e oral toxicity		LD50 (Rat): > 2.000 mg/kg Method: Directive 67/548/EEC, Ar GLP: yes	nnex V, B.1.
Acute	e dermal toxicity		LD50 (Rat): > 2.000 mg/kg Method: OECD Test Guideline 40: GLP: yes	2
	bdenum trioxide, re ophosphate:	action p	roducts with bis[O,O-bis(2-ethy	lhexyl)] hydrogen
Acute	e dermal toxicity	:	Symptoms: Redness, Local irritation	on
4-eth	yl-2-(8-heptadecen	yl)-2-oxa	zoline-4-methanol:	
Acute	e oral toxicity		LD50 (Rat): > 2.000 mg/kg Method: OECD Test Guideline 42: GLP: yes Assessment: The substance or mi toxicity	
Skin	corrosion/irritation			
Prod	uct:			
Rema	arks	:	This information is not available.	
<u>Com</u>	ponents:			
	ion product of diph I:1.86:0.14):	enylmet	hanediisocyanate, octylamine a	nd oleylamine (molar
Speci	ies		Rabbit	
Asses	ssment		No skin irritation OECD Test Guideline 404	
Resul GLP		:	No skin irritation yes	
		action p	roducts with bis[O,O-bis(2-ethy	lhexyl)] hydrogen
	ophosphate:			
Asses	ssment It		Irritating to skin. Irritating to skin.	
Reau		•		



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sion	Revision Date: 31.08.2022	Date of last issue: 29.10.2018 Date of first issue: 20.03.2014	Print Date: 31.08.2022
Rema	arks	: Irritating to skin.	
1 ath	ul 2 /9 hantadaaan	1) 2 everaling 4 methonoly	
		I)-2-oxazoline-4-methanol: : human skin	
Speci	ssment	: No skin irritation	
Resu		: No skin irritation	
Serio	us eye damage/eye	irritation	
Prod	uct:		
Rema		: This information is not availab	ble.
Com	oonents:		
react		enylmethanediisocyanate, octylami	ine and oleylamine (molar
Speci	•	: Rabbit	
Resu		: No eye irritation	
	ssment	: No eye irritation	
Metho	bd	: OECD Test Guideline 405	
GLP		: yes	
	bdenum trioxide, re ophosphate:	action products with bis[O,O-bis(2-	ethylhexyl)] hydrogen
Resu		: No eye irritation	
	ssment	: No eye irritation	
4-eth	yl-2-(8-heptadeceny	I)-2-oxazoline-4-methanol:	
Resu	lt	: No eye irritation	
Asses	ssment	: No eye irritation	
Resp	iratory or skin sens	itisation	
Prod	uct:		
Rema		: This information is not availab	ble.
Com	oonents:		

ratio1:1.86:0.14):



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ersion)	Revision Date: 31.08.2022		issue: 29.10.2018 issue: 20.03.2014	Print Date: 31.08.2022
Test Speci Metho Resul GLP	ies od	: Guinea : OECD	isation Test a pig Test Guideline 406 not cause skin sensitisation	n.
	bdenum trioxide, r ophosphate:	action produc	ts with bis[O,O-bis(2-eth	ylhexyl)] hydrogen
	ssment		oduct is a skin sensitiser, oduct is a skin sensitiser,	
4-eth	yl-2-(8-heptadecen	yl)-2-oxazoline	-4-methanol:	
Asses Resul	ssment It		oduct is a skin sensitiser, oduct is a skin sensitiser,	
Germ	n cell mutagenicity			
<u>Produ</u>	uct:			
Geno	toxicity in vitro	: Remai	ks: No data available	
Geno	toxicity in vivo	: Remar	ks: No data available	
<u>Com</u>	ponents:			
	ion product of dipl 1:1.86:0.14):	enylmethaned	iisocyanate, octylamine	and oleylamine (molar
	toxicity in vitro		ype: Chromosome aberrat : negative	tion test in vitro
Carci	nogenicity			
<u>Produ</u>				
Rema	arks	: No dat	a available	
Repro	oductive toxicity			
Produ		· Domo	ks: No data available	
Eneci	ts on fertility	. Renai	NO. INU UALA AVAIIADIE	
	ts on foetal opment	: Remai	ks: No data available	



Repeated dose toxicity

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Product: Remarks : This information is not available. Aspiration toxicity Product:

This information is not available.

Further information

Product:

Remarks

: Information given is based on data on the components and the toxicology of similar products.

Components:

Molybdenum trioxide, react dithiophosphate:	ion	products with bis[O,O-bis(2-ethylhexyl)] hydrogen
Remarks	:	Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

12. ECOLOGICAL INFORMATION

Ecotoxicity		
<u>Product:</u> 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



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ersion 0	Revision Date: 31.08.2022		e of last issue: 29.10.2018 e of first issue: 20.03.2014	Print Date: 31.08.2022
<u>Comp</u>	oonents:			
	ion product of diphen 1:1.86:0.14):	ylme	thanediisocyanate, octylamine and ole	ylamine (molar
	ity to fish	:	LC50 (Danio rerio (zebra fish)): > 100 m Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203 GLP: yes	g/l
	ity to daphnia and other ic invertebrates	• :	EC50 (Daphnia magna (Water flea)): > 1 Exposure time: 48 h Test Type: Immobilization Method: OECD Test Guideline 202 GLP: yes	00 mg/l
Toxici plants	ity to algae/aquatic	:	EC50 (Desmodesmus subspicatus (gree Exposure time: 72 h Test Type: Growth inhibition Method: OECD Test Guideline 201 GLP: yes	en algae)): > 100 mg/l
Toxici	ity to microorganisms	:	EC50 (Bacteria): > 1.000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209 GLP: yes	
	odenum trioxide, reactophosphate:	tion	products with bis[O,O-bis(2-ethylhexyl)] hydrogen
	ity to fish	:	LC50 (Oncorhynchus mykiss (rainbow tr Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203 GLP: yes	out)): > 100 mg/l
			Remarks: May cause long-term adverse environment.	effects in the aquatic
	ity to daphnia and other ic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1 Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: yes	00 mg/l



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∕ to algae/aquatic	:	EC50 (Pseudokirchneriella subcaj mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 20 GLP: yes	
-2-(8-heptadecenyl)-	2-ox	azoline-4-methanol:	
	· :	EC50 (Daphnia magna (Water flea Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 20	
/ to algae/aquatic	:	EC50 (Desmodesmus subspicatus Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 20 GLP: yes	
_	lity		
<u>>t:</u>			
radability	:	Remarks: No data available	
	:	Remarks: No data available	
onents:			
	ylme	thanediisocyanate, octylamine a	nd oleylamine (molar
•	:	Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: 10 % Exposure time: 28 d Method: OECD Test Guideline 30 GLP: yes	1F
	tion	products with bis[O,O-bis(2-ethy	rlhexyl)] hydrogen
•	:	Result: Not rapidly biodegradable Biodegradation: 11 % Exposure time: 28 d Method: OECD Test Guideline 30	1B
	31.08.2022 y to algae/aquatic -2-(8-heptadecenyl)- y to daphnia and other invertebrates y to algae/aquatic tence and degradabi ct: radability p-chemical ability ponents: on product of diphenyl 1.86:0.14): radability	31.08.2022 Date y to algae/aquatic : y to daphnia and other : y to daphnia and other : y to algae/aquatic :	31.08.2022 Date of first issue: 20.03.2014 y to algae/aquatic : EC50 (Pseudokirchneriella subcarging/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 20 GLP: yes +2-(8-heptadecenyl)-2-oxazoline-4-methanol: : y to daphnia and other : EC50 (Daphnia magna (Water flex Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 20 y to algae/aquatic : EC50 (Desmodesmus subspicatu Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 20 GLP: yes tence and degradability : zt: radability : pochemical : nproduct of diphenylmethanedlisocyanate, octylamine a 1.86:0.14): radability : primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradatiol Biodegradation: 10 % Exposure time: 28 d Method: OECD Test Guideline 30 GLP: yes



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		azoline-4-methanol:
Biodegradability	:	Result: Not rapidly biodegradable Biodegradation: 34,73 % Method: OECD Test Guideline 301B
Bioaccumulative potential		
Product:		
Bioaccumulation	:	Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).
Components:		
reaction product of diphenyli ratio1:1.86:0.14):	me	thanediisocyanate, octylamine and oleylamine (molar
Partition coefficient: n- octanol/water	:	log Pow: > 6
Molybdenum trioxide, reaction dithiophosphate:	on	products with bis[O,O-bis(2-ethylhexyl)] hydrogen
Partition coefficient: n- octanol/water	:	log Pow: > 4
4-ethyl-2-(8-heptadecenyl)-2-	οx	azoline-4-methanol:
Partition coefficient: n- octanol/water	:	log Pow: 3,42 (20 °C)
Mobility in soil		
Product:	:	Remarks: No data available
Mobility		
Mobility Distribution among environmental compartments	:	Remarks: No data available
Distribution among	:	Remarks: No data available
Distribution among environmental compartments	:	Remarks: No data available



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Com	ponents:			

Molybdenum trioxide, reaction products with bis[O,O-bis(2-ethylhexyl)] hydrogen dithiophosphate:

Additional ecological : May cause long lasting harmful effects to aquatic life. information

4-ethyl-2-(8-heptadecenyl)-2-oxazoline-4-methanol:

Results of PBT and vPvB : Non-classified vPvB substance Non-classified PBT substance assessment

13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	The product should not be allowed to enter drains, water courses or the soil. Do not dispose of with domestic refuse. Dispose of as hazardous waste in compliance with local and national regulations.
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

14. TRANSPORT INFORMATION

ADR

Not regulated as a dangerous good

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good



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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

15. REGULATORY INFORMATION

National regulatory information

Federal Law of 10.01.2002 No. 184-FZ "On Technical Regulation". Federal Law of 10.01.2002 No. 7-FZ "On Environmental Protection". Federal Law of 21.07.1997 No. 116-FZ (amended on 11.06.2021) "On industrial safety of hazardous production facilities". Federal Law of 24.06.1998 No. 89-FZ (amended on 02.07.2021) "On production and consumption waste". Federal Law of 10.01.2002 No. 7-FZ (amended on 02.07.2021) "On environmental protection". Federal Law of 04.05.1999 No. 96-FZ "On the protection of atmospheric air" (as amended on December 8, 2020). Federal Law of 30.03.1999 No. 52-FZ (amended on 02.07.2021) "On the Sanitary and Epidemiological Well-Being of the Population" (amended and supplemented, entered into force on 31.10.2021). Federal Law of 27.12.2002 No. 184-FZ (amended on 02.07.2021) "On Technical Regulation" (amended and supplemented, entered into force on 01.09.2021). TECHNICAL REGULATIONS OF THE CUSTOMS UNION TR CU 030/2012 On requirements for lubricants, oils and special fluids (amended on 03.03.2017).

Montreal Protocol	:	Not applicable
Rotterdam Convention (Prior Informed Consent)	:	Not applicable
Stockholm Convention (Persistent Organic Pollutants)	:	Not applicable

16. OTHER INFORMATION

List of data sources used in the preparation of the Safety Data Sheet

GOST 30333-2007. Interstate standard. Safety data sheet for chemical products. Primary requirements.

GOST 12.1.007-76 Occupational safety standards system. Noxious substances. Classification and general safety requirements

GOST 12.1.044-89 Occupational safety standards system. Fire and explosion hazard of substances and materials. Nomenclature of indices and methods of their determination GOST 14192-96. Interstate standard. Cargo marking. Minsk, 1998.

GOST 31340-2013. Interstate standard. Precautionary labeling of chemical products. General requirements.

GOST 32419-2013 Classification of the hazard of chemical products. General requirements. GOST 32421-2013 Classification of chemical products, the hazard of which is due to physical and chemical properties. Test methods for explosive chemical products.

GOST 32423-2013 Hazard classification of mixed chemical products by their effects on the body.



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GOST 32424-2013 Classification of the hazard of chemical products by their impact on the environment. Basic provisions.

GOST 32425-2013 Hazard classification of mixed chemical products in terms of environmental impact.

GOST R 53264-2009 Fire fighting equipment. Special protective clothing for firefighters. General technical requirements. Test methods.

GOST R 53265-2009 Fire fighting equipment. Personal protective equipment for the feet of the firefighter. General technical requirements. Test methods.

GOST R 53268-2009 Fire fighting equipment. Fire rescue belts. General technical requirements. Test methods.

GOST R 53269-2009 Fire fighting equipment. Firefighters helmets. General technical requirements. Test methods.

SanPiN 1.2.3685-21 "Hygienic standards and requirements for ensuring the safety and (or) harmlessness to humans of environmental factors" dated 28.01.2021.

SanPiN 2.1.3684-21 "Sanitary and epidemiological requirements for the maintenance of the territories of urban and rural settlements, for water bodies, drinking water and drinking water supply, atmospheric air, soils, living quarters, the operation of industrial, public premises, the organization and implementation of sanitary and anti-epidemic (preventive) measures". European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).

European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR United Nations. New York and Geneva, 20.

International Maritime Dangerous Goods Code (IMDG-Code).

Water quality standards for fishery water bodies, including standards for maximum permissible concentrations of harmful substances in the waters of fishery water bodies (approved by order of the Ministry of Agriculture of Russia dated December 13, 2016 No. 552).

Regulations for the carriage of dangerous goods (Appendix 1 and 2) to the Agreement on International Goods Transport by Rail (SMGS), 2009.

UN Recommendations on the Transport of Dangerous Goods. Typical rules. Twenty-first revised edition. United Nations, New York and Geneva, 2019.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation

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; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); 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



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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; TCSI - Taiwan Chemical Substances Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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