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

1 1	Product identifier		
		:	OKS 387
1.2	Relevant identified uses of the	e s	ubstance or mixture and uses advised against
	Use of the Sub- stance/Mixture	:	Lubricant
	Recommended restrictions on use	:	Restricted to professional users.
1.3	Details of the supplier of the s	af	ety data sheet
	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 responsible for the SDS	:	mcm@oks-germany.com Material Compliance Management
	National contact	:	
1.4	Emergency telephone number	•	
	Emergency telephone num- ber	:	+34 91 562 04 20

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

polyalkylene glycol oil graphite

Components

Chemical name	CAS-No. EC-No.	Classification	specific concen- tration limit M-Factor	Concentration (% w/w)
	Index-No. Registration number		Notes Acute toxicity estimate	
Substances with a work	place exposure limit :			
Graphite	7782-42-5 231-955-3 01-2119486977-12- XXXX	Not classified		>= 10 - < 20

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 respira- tion.
In case of skin contact	:	Remove contaminated clothing. If irritation develops, get med-



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		ical attention. In case of contact, immediately flue	sh skin with plenty of water.	
e of eye contact	:	Rinse immediately with plenty of w for at least 10 minutes. If eye irritation persists, consult a s	-	
If swallowed		Move the victim to fresh air. Do NOT induce vomiting. Rinse mouth with water.		
nportant symptom	s and o	effects, both acute and delayed		
oms	:	No information available.		
Risks		None known.		
ion of any immedia	ate me	dical attention and special treatme	ent needed	
nent	:	No information available.		
	easur			
	e of eye contact lowed nportant symptoms oms	e of eye contact : lowed : nportant symptoms and e oms : : ion of any immediate med	ical attention. In case of contact, immediately flue e of eye contact : Rinse immediately with plenty of w for at least 10 minutes. If eye irritation persists, consult a s lowed : Move the victim to fresh air. Do NOT induce vomiting. Rinse mouth with water. nportant symptoms and effects, both acute and delayed oms : No information available. : None known.	

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)

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 p	procedures
--	------------

Personal precautions	:	Evacuate personnel to safe areas.
		Use personal protective equipment.



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		Refer to protective measures listed	in sections 7 and 8.	
6.2 Enviro	nmental precautions	6		
Environmental precautions :		courses. Prevent further leakage or spillage	Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages	
6.3 Method	ds and material for c	containment and cleaning up		
Methods for cleaning up :		: Contain spillage, and then collect w sorbent material, (e.g. sand, earth, miculite) and place in container for / national regulations (see section /	diatomaceous earth, ver- disposal according to local	

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handlin	ng	
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	, incl	uding 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

Occupational Exposure Limits



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Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Graphite	7782-42-5	VLA-ED (respira- ble dust fraction)	2 mg/m3	ES VLA (2017-02-01)

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

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
Graphite	Workers	Inhalation	Long-term systemic effects	1,2 mg/m3

8.2 Exposure controls

Engineering measures none		
Personal protective equipm	nent	:
Eye protection	:	Safety glasses with side-shields
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. 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 A-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	:	liquid
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Colour : black



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Ode	our	:	characteristic	
Ode	our Threshold	:	No data available	
Mel	ting point/range	:	No data available	
Boi	ling point/boiling range	:	No data available	
Fla	mmability (solid, gas)	:	Not applicable	
	per explosion limit / Upper nmability limit	:	No data available	
	ver explosion limit / Lower nmability limit	:	No data available	
Flas	sh point	:	240 °C	
Aut	o-ignition temperature	:	No data available	
Dec	composition temperature	:	No data available	
рН		:	Not applicable substance/mixture is non-polar/aprotic	
	cosity Viscosity, dynamic	:	No data available	
	Viscosity, kinematic		200 mm2/s (40 °C)	
		•	200 mm2/3 (40 C)	
	ubility(ies) Water solubility	:	immiscible	
:	Solubility in other solvents	: :	No data available	
	tition coefficient: n- anol/water	:	No data available	
Vap	oour pressure	:	< 1.100 hPa (20 °C)	
Rel	ative density	:	1,04 (20 °C) Reference substance: Water The value is calculated	
Der	nsity	:	1,04 g/cm3 (20 °C)	
Bul	k density	:	No data available	



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Relat	tive vapour density	: No data available	
	information osives	: Not explosive	
Oxidi	izing properties	: No data available	
Self-i	ignition	: No data available	
	poration rate	No data availableNo data available	

SECTION 10: Stability and reactivity

10.1 Reactivity	
No hazards to be specially mentic	oned.
10.2 Chemical stability Stable under normal conditions.	
10.3 Possibility of hazardous reaction	ons
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 proc	lucts
No decomposition if stored and ap	oplied as directed.

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.





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<u>Com</u>	ponents:		
Grap	hito:		
-	e oral toxicity	: LD50 (Rat): > 2.000 mg/kg Method: OECD Test Guideline 423 Assessment: The substance or mi icity	
Acute	e inhalation toxicity	: LC50 (Rat): > 2.000 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mi tion toxicity	
Skin	corrosion/irritation		
Prod	uct:		
Rema	arks	: This information is not available.	
<u>Com</u>	ponents:		
Grap	hite:		
Speci	ies	: Rabbit	
	ssment	: No skin irritation	
Metho Resu		: OECD Test Guideline 404 : No skin irritation	
Serio	ous eye damage/eye	irritation	
Prod	uct:		
Rema		: This information is not available.	
<u>Com</u>	ponents:		
Grap	hite:		
Speci		: Rabbit	
Asses	ssment	: No eye irritation	
Metho		: OECD Test Guideline 405	
Resu	π	: No eye irritation	
	iratory or skin sens	itisation	
Resp			
Resp <u>Prod</u>	uct:		



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	Comp	onents:			
	Graph Specie Methoo Result	s J	:	Mouse OECD Test Guideline 429 negative	
	Germ	cell mutagenicity			
	Produ	ct.			
		oxicity in vitro	:	Remarks: No data available	
	Genoto	oxicity in vivo	:	Remarks: No data available	
	Comp	onents:			
	Graph	ite:			
	Genoto	oxicity in vitro	:	Test Type: Microbial mutagenesis as Method: OECD Test Guideline 471 Result: negative	say (Ames test)
				Test Type: gene mutation test Method: OECD Test Guideline 476 Result: negative	
				Test Type: Chromosome aberration to Method: OECD Test Guideline 473 Result: negative	est in vitro
	Carcin	ogenicity			
	Produ	ct:			
	Remar		:	No data available	
	Repro	ductive toxicity			
	Produ	<u>ct:</u>			
	Effects	on fertility	:	Remarks: No data available	
	Effects ment	on foetal develop-	:	Remarks: No data available	
	Comp	onents:			
	Graph	ite:			
	-	on fertility	:	Species: Rat Application Route: Oral General Toxicity F1: NOAEL: 813 mg Method: OECD Test Guideline 422	/kg body weight



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Repeated dose toxicity						
Prod	uct:					
Rema		: This information is not available.				
Com	ponents:					
Grap	hite:					
Speci		: Rat				
NOAI		: 813 mg/kg				
	cation Route	: Oral				
Metho	od	: OECD Test Guideline 422				
Speci	ies	: Rat				
NOA		2 mg/l				
-	cation Route	: inhalation (dust/mist/fume)				
Metho		: OECD Test Guideline 412				
Aspir <u>Prodr</u>	ration toxicity uct:					
This i	information is not ava	ble.				
11.2 Infor	mation on other haz	rds				
Endo	ocrine disrupting pro	erties				
Prod	uct:					
Asse	ssment	 The substance/mixture does not contain comered to have endocrine disrupting properties REACH Article 57(f) or Commission Delegate (EU) 2017/2100 or Commission Regulation (I levels of 0.1% or higher. 	according to ed regulation			
Furth	ner information					
Prod	uct:					
Rema		: Information given is based on data on the cor the toxicology of similar products.	nponents and			

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish	:	Remarks: No data available

Toxicity to daphnia and other : Remarks: No data available



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	aquatic invertebrates				
	Toxicit plants	y to algae/aquatic	:	Remarks: No data available	
	Toxicity to microorganisms		:	Remarks: No data available	
	<u>Comp</u>	onents:			
	Graph	ite:			
		y to fish	:	LC50 (Danio rerio (zebra fish)): > 100 mg Exposure time: 96 h Method: OECD Test Guideline 203	g/l
	Toxicity to daphnia and other aquatic invertebrates		r :	(Daphnia magna (Water flea)): > 100 mg Exposure time: 48 h Method: OECD Test Guideline 202	g/l
	Toxicit plants	y to algae/aquatic	:	EC50 (Pseudokirchneriella subcapitata (mg/l Exposure time: 72 h Method: OECD Test Guideline 201	green algae)): > 100
12.2	2 Persis	stence and degradabi	ility		
	Produ			Remarks: No data available	
	Diodec	gradability	•	Remarks. No data available	
	Physic ity	o-chemical removabil-	:	Remarks: No data available	
	<u>Comp</u>	onents:			
	Graph Biodeg	ite: gradability	:	Remarks: The methods for determining to not applicable to inorganic substances.	biodegradability are
12.3	Bioac	cumulative potential			
	<u>Produ</u>	<u>ct:</u>			
	Bioacc	cumulation	:	Remarks: This mixture contains no subst be persistent, bioaccumulating and toxic This mixture contains no substance cons persistent and very bioaccumulating (vP	(PBT). sidered to be very
12.4	l Mobili	ty in soil			
	Produ	<u>ct:</u>			
	Mobilit	у	:	Remarks: No data available	



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Distribution among environ- : Remarks: No data available mental compartments

12.5 Results of PBT and vPvB assessment

Product:

Assessment

: 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.

12.6 Endocrine disrupting properties

<u>Product:</u> 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.
12.7 Other adverse effects	

P	rod	luct:

Additional ecological infor-	:	No information on ecology is available.
mation		

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	:	unused product 13 02 06*, synthetic engine, gear and lubricating oils
		uncleaned packagings 15 01 10*, packaging containing residues of or contaminated by hazardous substances



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SECTION 14: Transport information

14.1 UN number or ID number		
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		
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)		
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		
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
14.5 Environmental hazards		
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 use Not applicable	r	

14.7 Maritime transport in bulk according to IMO instruments

Remarks : Not applicable for product as supplied.



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SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, the market and use of certain dangerous so mixtures and articles (Annex XVII)		No	ot applicable
REACH - Candidate List of Substances of Concern for Authorisation (Article 59). (EU SVHC)	Very High :	sta lat	his product does not contain sub- ances of very high concern (Regu- tion (EC) No 1907/2006 (REACH), rticle 57).
REACH - List of substances subject to auth (Annex XIV) (EU. REACH-Annex XIV)	norisation :		ot applicable
Regulation (EC) No 1005/2009 on substan plete the ozone layer (EC 1005/2009)	ces that de- :	No	ot applicable
Regulation (EU) 2019/1021 on persistent o tants (recast) (EU POP)	rganic pollu- :	No	ot applicable
Regulation (EC) No 649/2012 of the Europ ment and the Council concerning the expor of dangerous chemicals (EU PIC)		No	ot applicable
Seveso III: Directive 2012/18/EU of the Eur Parliament and of the Council on the contro major-accident hazards involving dangerou stances.	ol of	No	ot applicable
5 1	ns (integrated poll		ovember 2010 on industrial n prevention 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



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ES VI	LA	: Spain. Environmental Limits for e - Table 1: Occupational Exposure	
ES VLA / VLA-ED		: Environmental Daily Limit Value	e values

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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