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

1.1	Product identifier Product name :		OKS 3760
1.2	Relevant identified uses of the	S	ubstance or mixture and uses advised against
	Use of the Sub- : stance/Mixture		Lubricating oil
	Recommended restrictions : on use		Restricted to professional users.
1.3	Details of the supplier of the sa	afe	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.

#### **Additional Labelling**

EUH210 Safety data sheet available on request.



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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**

#### 3.2 Mixtures

Chemical nature

: Synthetic hydrocarbon oil

#### Components

Chemical name	CAS-No.	Classification	specific concen-	Concentration
	EC-No.		tration limit	(% w/w)
	Index-No.		M-Factor Notes	
	Registration number		Acute toxicity	
			estimate	
Benzenamine, N-	68411-46-1	Repr.2; H361f		>= 0,25 - < 1
phenyl-, reaction	270-128-1	Aquatic Chronic3;		
products with 2,4,4-		H412		
trimethylpentene	01-2119491299-23-			
	XXXX			

For explanation of abbreviations see section 16.

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

#### 4.1 Description of first aid measures

If inhaled

: Obtain medical attention.

Remove person to fresh air. If signs/symptoms continue, get medical attention. Keep patient warm and at rest. If unconscious, place in recovery position and seek medical advice.

Keep respiratory tract clear.

If breathing is irregular or stopped, administer artificial respira-



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		tion.	
In ca	se of skin contact	<ul> <li>Take off all contaminated clothing Get medical attention immediatel persists.</li> <li>Wash clothing before reuse.</li> <li>Thoroughly clean shoes before re Wash off immediately with plenty</li> </ul>	y if irritation develops and euse.
In ca	se of eye contact	: Rinse immediately with plenty of for at least 10 minutes. If eye irritation persists, consult a	-
If swallowed		<ul> <li>Move the victim to fresh air. If unconscious, place in recovery advice.</li> <li>Keep respiratory tract clear.</li> <li>Do NOT induce vomiting.</li> <li>Obtain medical attention.</li> <li>Rinse mouth with water.</li> <li>Never give anything by mouth to</li> </ul>	

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms	: No information available.
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	:	High volume water jet

-			-	-	0	-
me	ədi	а				

5.2 Special hazards arising from the substance or mixture

Hazardous combustion prod- : Carbon oxides ucts

#### 5.3 Advice for firefighters

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



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Further information : Standard procedure for chemical fires.

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

6.1 Personal precautions, protective	e equipment and emergency procedures
Personal precautions :	Evacuate personnel to safe areas. Use personal protective equipment. Ensure adequate ventilation. Do not breathe vapours or spray mist. Refer to protective measures listed in sections 7 and 8.
6.2 Environmental precautions	
Environmental precautions :	Try to prevent the material from entering drains or water courses. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

#### 6.4 Reference to other sections

For personal protection see section 8.

#### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Advice on safe handling	<ul> <li>Do not breathe vapours or spray mist. Avoid contact with skin and eyes. 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. Do not get in eyes or mouth or on skin. Do not get on skin or clothing. Do not ingest. Do not repack.</li> <li>Do not re-use empty containers. These safety instructions also apply to empty packaging which may still contain product residues. Keep container closed when not in use.</li> </ul>
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Hygiei	ne measures	: Wash face, hands and any exposed handling.	skin thoroughly after
7.2 Condit	ions for safe storage	including any incompatibilities	
Requirements for storage areas and containers		: Store in original container. Keep con use. Keep in a dry, cool and well-ve which are opened must be carefully to prevent leakage. Store in accordanational regulations. Keep in proper	ntilated place. Containers resealed and kept upright ance with the particular
•	i <b>c end use(s)</b> ïic use(s)	: Specific instructions for handling, no	ot 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
Benzenamine, N- phenyl-, reaction products with 2,4,4- trimethylpentene	Workers	Inhalation	Long-term systemic effects	0,31 mg/m3
	Workers	Skin contact	Long-term systemic effects	0,44 mg/kg bw/day

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

Substance name	Environmental Compartment	Value
Benzenamine, N-phenyl-, reac- tion products with 2,4,4- trimethylpentene	Fresh water	0,034 mg/l
	Marine water	0,003 mg/l
	Microbiological Activity in Sewage Treat- ment Systems	10 mg/l
	Fresh water sediment	0,446 mg/kg
	Marine sediment	0,045 mg/kg
	Soil	1,76 mg/kg

#### 8.2 Exposure controls

#### Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

#### Personal protective equipment

Eye protection : Safety glasses with side-shields



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Hand protection Material Break through time Protective index		Nitrile rubber > 10 min Class 1	
Remarks		break through time depends material, the thickness and th has to be measured for each The selected protective glove	he type of glove and therefore
Skin	and body protection		elation to its type, to the concen- rous substances, and to the spe-
Res	piratory protection	Not required; except in case	of aerosol formation.
F	ilter type	: Filter type A-P	
Prote	ective measures		nent must be selected according ount of the dangerous substance

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

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

Physical state	:	liquid
Colour	:	yellow
Odour	:	characteristic
Odour Threshold	:	No data available
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flammability (solid, gas)	:	Not applicable
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available



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Flash	n point	:	>= 240 °C Method: ISO 2592, open cup	
Auto	-ignition temperature	:	No data available	
Deco	omposition temperature	:	No data available	
рН		:	Not applicable	
Visco V	osity iscosity, dynamic	:	No data available	
V	iscosity, kinematic	:	100 mm2/s (40 °C)	
	bility(ies) /ater solubility	:	insoluble	
S	olubility in other solvents	; ;	No data available	
	tion coefficient: n- nol/water	:	No data available	
Vapo	our pressure	:	< 0,001 hPa (20 °C)	
Rela	tive density	:	0,840 (20 °C) Reference substance: Water The value is calculated	
Dens	sity	:	0,84 g/cm3 (20 °C)	
Bulk	density	:	Not applicable	
Rela	tive vapour density	:	No data available	
	<b>information</b> osives	:	Not explosive	
Oxid	izing properties	:	No data available	
Self-	ignition	:	No data available	
Evap	poration rate	:	No data available	
Subli	imation point	:	Not applicable	



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: No dangerous reaction known under conditions of normal use.

#### **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

10.4	Cond	itions	to av	/oid	

Hazardous reactions

Conditions to avoid	:	No conditions to be specially mentioned.
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#### 10.5 Incompatible materials

Materials to avoid : No materials to be especially mentioned.

#### **10.6 Hazardous decomposition products**

No decomposition if stored and applied 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.

#### **Components:**

#### Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:

Acute oral toxicity	:	LD50 (Rat): > 5.000 mg/kg Method: OECD Test Guideline 401
Acute dermal toxicity	:	LD50 (Rat): > 2.000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity



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/ersion 2.0	Revision Date: 17.11.2022		e of last issue: 07.07.2021 e of first issue: 08.06.2016	Print Date: 17.11.2022
Skin	corrosion/irritation			
Prod	uct:			
Rema	arks	:	This information is not available.	
Com	ponents:			
		. react	ion products with 2,4,4-trimethy	lpentene:
Speci			Rabbit	iperiterio.
	ssment	÷	No skin irritation	
Metho		:	OECD Test Guideline 404	
Resu	lt	:	No skin irritation	
Serio	ous eye damage/eye	irritati	on	
Prod	uct:			
Rema	arks	:	This information is not available.	
<u>Com</u>	ponents:			
Benz	enamine, N-phenyl-	, react	ion products with 2,4,4-trimethy	Ipentene:
Speci	ies	:	Rabbit	
Asses	ssment	:	No eye irritation	
Metho	od	:	OECD Test Guideline 405	
Resu	lt	:	No eye irritation	
Resp	iratory or skin sens	sitisatio	on	
Prod	uct:			
Rema	arks	:	This information is not available.	
<u>Com</u>	ponents:			
Benz	enamine, N-phenyl-	, react	ion products with 2,4,4-trimethy	Ipentene:
Speci		:	Guinea pig	
	ssment	:	Did not cause sensitisation on lat	poratory animals.
Metho		:	OECD Test Guideline 406	
Resu	π	:	Did not cause sensitisation on lab	poratory animals.
Germ	n cell mutagenicity			
Prod	uct:			
Geno	toxicity in vitro	:	Remarks: No data available	
Geno	toxicity in vivo	:	Remarks: No data available	
Carci	inogenicity			
Prod	uct:			



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Rem	arks	:	No data available	
Repr	roductive toxicity			
Prod				
Effec	cts on fertility	:	Remarks: No data available	
Effect	cts on foetal develop- t	:	Remarks: No data available	
<u>Com</u>	ponents:			
		react	ion products with 2,4,4-trimethyl	pentene:
•	oductive toxicity - As-	:	- Fertility -	
			Some evidence of adverse effects fertility, based on animal experime	
Repe	eated dose toxicity			
Prod	luct:			
Rem	arks	:	This information is not available.	
Aspi	ration toxicity			
<u>Prod</u> No a	luct: spiration toxicity classi	ficatio	n	
1.2 Info	rmation on other haza	ards		
Ende	ocrine disrupting pro	pertie	s	
Prod	luct:			
Asse	essment	:	The substance/mixture does not of ered to have endocrine disrupting REACH Article 57(f) or Commissi (EU) 2017/2100 or Commission R levels of 0.1% or higher.	properties according to on Delegated regulation
Furt	her information			
Prod	luct:			
Rem	arks	:	Information given is based on dat the toxicology of similar products.	



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### **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:		
Benzenamine, N-phenyl-, rea	icti	on products with 2,4,4-trimethylpentene:
Toxicity to fish	:	LC50 (Danio rerio (zebra fish)): > 100 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 51 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l Exposure time: 72 h

Test Type: static test

Method: OECD Test Guideline 201

### 12.2 Persistence and degradability

#### Product:

Biodegradability	:	Remarks: No data available
Physico-chemical removabil- ity	:	Remarks: No data available

#### **Components:**

Benzenamine, N-phenyl-	, reaction products with	n 2,4,4-trimethylpentene:
------------------------	--------------------------	---------------------------

Biodegradability	:	Test Type: aerobic Inoculum: activated sludge Result: Not rapidly biodegradable
		Biodegradation: 1 %
		Exposure time: 28 d



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		Method: OECD Test Guideline GLP: yes	301B
12.3 Bioa	ccumulative potent	ial	
Prod	uct:		
Bioaccumulation : Remarks: This mixture contains no substance consi be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to b persistent and very bioaccumulating (vPvB).		and toxic (PBT). ance considered to be very	

#### **Components:**

#### Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:

Partition coefficient: n-	:	log Pow: > 5	
octanol/water			

#### 12.4 Mobility in soil

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

#### 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

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.
7 Other adverse offects	

## 12.7 Other adverse effects

## Product:

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



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#### **SECTION 13:** Disposal considerations

#### 13.1 Waste treatment methods

Product	:	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.	
		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	

## **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		



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ΙΑΤΑ		: Not regulated as a dangerous good	
14.4 Pack	king group		
ADR		: Not regulated as a dangerous good	
RID		: Not regulated as a dangerous good	
IMDO	3	: Not regulated as a dangerous good	
ΙΑΤΑ	(Cargo)	: Not regulated as a dangerous good	
ΙΑΤΑ	(Passenger)	: Not regulated as a dangerous good	
14.5 Envi	ronmental hazards		
ADR		: Not regulated as a dangerous good	
RID		: Not regulated as a dangerous good	
IMDO	3	: Not regulated as a dangerous good	
-	cial precautions for	user	
14.7 Mari	time transport in bu	Ik according to IMO instruments	
Rem	arks	: Not applicable for product as supplied	i.
SECTIO	N 15: Regulatory i	nformation	
15.1 Safe ture	ty, health and envir	onmental regulations/legislation specific fo	or the substance or mix
the m		the manufacture, placing on : Not applic tain dangerous substances, lex XVII)	able
REA	CH - Candidate List o	of Substances of Very High : This produ	uct does not contain sub-

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). (EU SVHC)

REACH - List of substances subject to authorisation (Annex XIV) (EU. REACH-Annex XIV)

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer (EC 1005/2009) Regulation (EU) 2019/1021 on persistent organic pollutants (recast) (EU POP)

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals



stances of very high concern (Regu-

lation (EC) No 1907/2006 (REACH),

Article 57).

:

Not applicable

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(EU	PIC)				
Seveso III: Directive 2012/18/EU of the European : Not applicable Parliament and of the Council on the control of major-accident hazards involving dangerous sub- stances.					
Volati	Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Not applicable				

#### 15.2 Chemical safety assessment

This information is not available.

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

#### Full text of H-Statements

		Suspected of damaging fertility. Harmful to aquatic life with long lasting effects
--	--	---

#### Full text of other abbreviations

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



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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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