

Version	Revision Date:	Date of last issue: 26.08.2022	Print Date:
2.0	19.02.2025	Date of first issue: 23.06.2016	19.02.2025

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

1.1	Product identifier Product name	:	OKS 350
1.2	Relevant identified uses of th Use of the Substance/Mixture	ne s :	ubstance or mixture and uses advised against Lubricating oil
	Recommended restrictions on use	:	Restricted to professional users.
1.3	Details of the supplier of the	saf	ety data sheet
	Company	:	OKS Spezialschmierstoffe GmbH Ganghoferstr. 47 82216 Maisach-Gernlinden Deutschland Tel.: +49 8142 3051 500 Fax: +49 8142 3051 599 info@oks-germany.com
	E-mail address of person responsible for the SDS	:	mcm@oks-germany.com
	National contact	:	
1.4	Emergency telephone number		+33 1 45 42 59 59 ORFILA
			+33 1 72 11 00 03 NCEC +49 8142 3051 517

# **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Specific target organ toxicity - repeated exposure, Category 2, lymph node

H373: May cause damage to organs through prolonged or repeated exposure.



# SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006, as amended by

Commission Regulation (EU) 2020/878 - FR



# **OKS 350**

Version	Revision Date:	Date of last issue: 26.08.2022	Print Date:
2.0	19.02.2025	Date of first issue: 23.06.2016	19.02.2025

### 2.2 Label elements

Labelling (REGULATION ( Hazard pictograms	EC) :	No 1272/2008)	
Signal word	:	Warning	
Hazard statements	:	H373	May cause damage to organs (lymph node) through prolonged or repeated exposure.
Precautionary statements	:	<b>Prevention:</b> P260	Do not breathe vapours.
		Response:	
		P314	Get medical advice/ attention if you feel unwell.

### Hazardous components which must be listed on the label:

Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates

#### 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 : ester oil

Chemical name CAS-No. Classification specific Concentration	Components				
	Chemical name	CAS-No.	Classification	specific	Concentration



according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878 - FR



# **OKS 350**

Version	Revision Date:	Date of last issue: 26.08.2022	Print Date: 19.02.2025
2.0	19.02.2025	Date of first issue: 23.06.2016	

	EC-No.		concentration limit	(% w/w)
	Index-No.		M-Factor	
	Registration number		Notes	
			Acute toxicity	
			estimate	
Amines, C11-14-	80939-62-4	Skin Irrit.2; H315		>= 1 - < 2,5
branched alkyl,	279-632-6	Eye Irrit.2; H319		
monohexyl and		STOT RE1; H372		
dihexyl phosphates	01-2119976322-36-	Aquatic Chronic2;		
	XXXX	H411		

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 unconscious, place in recovery position and seek medical 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. Get medical attention immediately if irritation develops and persists. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Get medical attention immediately.
If swallowed	:	Move the victim to fresh air. If unconscious, place in recovery position and seek medical advice. Keep respiratory tract clear. Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person.

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

Symptoms	:	No symptoms known or expected.
----------	---	--------------------------------





OKS 35	0			
Version 2.0	Revision Date: 19.02.2025		e of last issue: 26.08.2022 e of first issue: 23.06.2016	Print Date: 19.02.2025
Risks	3	:	None known.	
4.3 Indica	tion of any immediat	e meo	dical attention and special treatr	ment needed
Treat	ment	:	Treat symptomatically.	
SECTION	N 5: Firefighting me	asur	es	
5.1 Exting	guishing media			
Suita	ble extinguishing medi	a :	Use water spray, alcohol-resistar carbon dioxide.	nt foam, dry chemical or
Unsu media	itable extinguishing a	:	High volume water jet	
5.2 Specia	al hazards arising fro	m the	e substance or mixture	
Haza produ	rdous combustion ucts	:	Carbon oxides Nitrogen oxides (NOx)	
5.3 Advic	e for firefighters			
	ial protective equipmen efighters	nt :	In the event of fire, wear self-con Use personal protective equipme decomposition products may be	ent. Exposure to
Furth	er information	:	Standard procedure for chemical	fires.

6.1 Personal precautions, protective equipment and emergency procedures
Personal precautions

reisonal precautions	. Evacuale personner to sale 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.
---------------------------	---	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------





Version	Revision Date:	Date of last issue: 26.08.2022	Print Date:
2.0	19.02.2025	Date of first issue: 23.06.2016	19.02.2025

#### 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

g		
Advice on safe handling	:	Do not use in areas without adequate ventilation. Do not breathe vapours or spray mist. In case of insufficient ventilation, wear suitable respiratory equipment. 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 repack. Do not repack. 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.
Hygiene measures	:	Wash face, hands and any exposed skin thoroughly after handling.
7.2 Conditions for safe storage, in	ncl	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.





Version	Revision Date:	Date of last issue: 26.08.2022	Print Date:
2.0	19.02.2025	Date of first issue: 23.06.2016	19.02.2025

### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

#### **Occupational Exposure Limits**

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 effects	Value
Amines, C11-14- branched alkyl, monohexyl and dihexyl phosphates	Workers	Inhalation	Long-term systemic effects	0,2 mg/m3
	Workers	Skin contact	Long-term systemic effects	0,03 mg/kg

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

Substance name	Environmental Compartment	Value
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	Fresh water	0,055 mg/l
	Marine water	0,005 mg/l
	Sewage treatment plant	1 mg/l
	Fresh water sediment	239,64 mg/kg
	Marine sediment	23,964 mg/kg
	Soil	47,76 mg/kg
	Intermittent use/release	0,01 mg/l

#### 8.2 Exposure controls

#### **Engineering measures**

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

#### Personal protective equipment

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

 Remarks
 : Wear 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 specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.





<b>OKS 350</b>	)		
Version 2.0	Revision Date: 19.02.2025	ate of last issue: 26.08.2022 ate of first issue: 23.06.2016	Print Date: 19.02.2025
Skin a	and body protection	Choose body protection in relation concentration and amount of dange the specific work-place.	
Respi	ratory protection	Not required; except in case of aero	osol formation.
Fil	ter type	Filter type A-P	
Protective measures :		The type of protective equipment meto the concentration and amount of at the specific workplace.	
<b>Envir</b> Air	onmental exposure	rols No special environmental precautic	ons required.
Soil		The product should not be allowed courses or the soil.	to enter drains, water
Water	•		
		The product should not be allowed courses or the soil.	to enter drains, water

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

## 9.1 Information on basic physical and chemical properties

Physical state	:	liquid
Colour	:	black
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



according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878 - FR



# **OKS 350**

Version Revision Date: 2.0 19.02.2025		t issue: 26.08.2022 t issue: 23.06.2016	Print Date: 19.02.2025
Upper explosion limit / Up flammability limit	per : No da	ata available	
Lower explosion limit / Lo flammability limit	ver : No da	ata available	
Flash point	: 260 °	С	
Auto-ignition temperature	: No da	ata available	
Decomposition temperate	re : No da	ata available	
рН		pplicable ance/mixture is non-polar/ap	protic
Viscosity Viscosity, dynamic	: No da	ata available	
Viscosity, kinematic	: 245 n	nm2/s (40 °C)	
Solubility(ies) Water solubility	: immis	scible	
Solubility in other solv	ents : No da	ata available	
Partition coefficient: n- octanol/water	: No da	ata available	
Vapour pressure	: <1h	Pa (20 °C)	
Relative density	Refer	0 (20 °C) ence substance: Water value is calculated	
Density	: 0,90 ( (20 °	g/cm3 C)	
Bulk density	: No da	ata available	
Relative vapour density	: No da	ata available	
9.2 Other information			
Explosives	: Not e	xplosive	
Oxidizing properties	: No da	ata available	
Self-ignition	: No da	ata available	



# **SAFETY DATA SHEET** according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878 - FR



# **OKS 350**

Version 2.0	Revision Date: 19.02.2025	Date of last issue: 26.08.2022 Date of first issue: 23.06.2016	Print Date: 19.02.2025
Evaporation rate		: No data available	
Sublimation point		: No data available	

# **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

No hazards to be specially mentioned.

#### 10.2 Chemical stability

Stable under normal conditions.

# **10.3 Possibility of hazardous reactions** Hazardous reactions : No dangerous reaction known under conditions of normal use.

# 10.4 Conditions to avoid

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

# Materials to avoid : No materials to be especially mentioned.

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

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

#### **Components:**

#### Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:

Acute oral toxicity	:	LD50 (Rat, male and female): > 5.000 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute dermal toxicity	:	LD50 (Rat, male and female): > 2.000 mg/kg Method: OECD Test Guideline 402



according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878 - FR



Merision       Revision Date:       Date of last issue: 26.08.2022       Print Date:         19.02.2025       Date of first issue: 23.06.2016       Print Date:         GLP: no       Assessment: The substance or mixture has no acute derritoxicity         Skin corrosion/irritation         Product:       Remarks         Remarks       r         This information is not available.       Components:         Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Species       r         Result       r         Result       r         Result       r         Assessment       r         Result       r         Assessment       r         Remarks       r         Anines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Result       r         GLP       r         Result       r         Result       r         Anines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Species       r         Assessment       r         Assessment       r         Assessment       r         Assessment       r         Result       r	KS 350	)		
Assessment: The substance or mixture has no acute derr toxicity Skin corrosion/irritation Product: Remarks : This information is not available: Amines, C11:14-branched alkyl, monohexyl and dihexyl phosphates: Species : Rabbit Assessment : Rabbit Assessment : CECD Test Guideline 404 Result : Tritating to skin. CLP : Irritating to skin. CLP : Irritating to skin. CLP : Irritating to skin. CLP : Irritating to skin. Assessment : Irritating to system Antens, C11:14-branched alkyl, monohexyl and dihexyl phosphates: Assessment : Irritating to eyes. Assessment : Irritati				
<text><text><text><section-header><text><text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text></text></section-header></text></text></text>			Assessment: The substance or mix	xture has no acute derma
<section-header>         Remarks       ft is information is not available.         Components:         Assessment       Rabdi         Assessment       Correct Printating to skin.         Method       GCCD Test Guideline 404.         Result       Correct Printating to skin.         CP       minis Office Printating to skin.         Portice       Result         Chrome eve damage/eve irritating to skin.       Printating to skin.         Portice       Result         Method       Stribus Assessment         Method       Maximisation is not available.         Series       Rabbit         Method       Maximisating to eyes.         Method       Maximisating to eyes.         Rest       Irritating to eyes.         Rest       Irritating to eyes.         Rest       Irritating to eyes.         Rest       Irritating to eyes.         Method       Irritating to eyes.         Rest       Irritating to eyes.         Rest       Irritating to eyes.         Rest       Irritating to eyes.         Rest&lt;</section-header>	Skin	corrosion/irritation		
<section-header>         Remarks       ft is information is not available.         Components:         Assessment       Rabdi         Assessment       Correct Printating to skin.         Method       GCCD Test Guideline 404.         Result       Correct Printating to skin.         CP       minis Office Printating to skin.         Portice       Result         Chrome eve damage/eve irritating to skin.       Printating to skin.         Portice       Result         Method       Stribus Assessment         Method       Maximisation is not available.         Series       Rabbit         Method       Maximisating to eyes.         Method       Maximisating to eyes.         Rest       Irritating to eyes.         Rest       Irritating to eyes.         Rest       Irritating to eyes.         Rest       Irritating to eyes.         Method       Irritating to eyes.         Rest       Irritating to eyes.         Rest       Irritating to eyes.         Rest       Irritating to eyes.         Rest&lt;</section-header>	Prod	uct:		
Image: Child-branched alkyl, monohexyl and dihexyl phosphates:         Species       Rabbit         Assessment       I'ritating to skin.         Method       OCCD Test Guideline 404.         Result       I'ritating to skin.         GLP       I'ritating to skin.         Berious eye damage/eye irritation       I'ritating to skin.         Product:       I'ritating to skin.         Method       I'ritating to skin.         Product:       I'ritating to skin.         Remarks       I'ritating to skin.         Product:       I'ritating to skin.         Method       I'ritating to eyes.         Method       I'ritating to eyes.         Method       I'ritating to eyes.         GLP       I'ritating to skin.         Method       I'ritating to skin.         Stepoter       I'ritating to eyes.         GLP	Rema	arks	: This information is not available.	
Species       Rabbit         Assessment       Hritating to skin.         Method       CCD Test Guideline 404         Result       Hritating to skin.         GLP       no         Serious eye damage/eye irritation         Product:         Remarks       This information is not available.         Components:         Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Species       Rabbit         Assessment       Hritating to eyes.         Method       CCD Test Guideline 405         Result       Hritating to eyes.         GLP       No         Result       Maximisation Test         Product:       Maximisation Test         Result       Dest not cause skin sensitisation.         Method       Eucoth Test Guideline 406	<u>Com</u>	oonents:		
Species       Rabbit         Assessment       Hritating to skin.         Method       CCD Test Guideline 404         Result       Hritating to skin.         GLP       no         Serious eye damage/eye irritation         Product:         Remarks       This information is not available.         Components:         Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Species       Rabbit         Assessment       Hritating to eyes.         Method       CCD Test Guideline 405         Result       Hritating to eyes.         GLP       No         Result       Maximisation Test         Product:       Maximisation Test         Result       Dest not cause skin sensitisation.         Method       Eucoth Test Guideline 406	Amin	es, C11-14-branche	d alkyl, monohexyl and dihexyl phospha	ates:
Assessment       Irritating to skin.         Method       CDCD Test Guideline 404.         Result       Irritating to skin.         GLP       no         Serious eye damage/eye irritation         Product:       Irritating to skin.         Remarks       This information is not available.         Products       Irritating to eyes.         Mennes, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Species       Rabbit         Assessment       Irritating to eyes.         Method       Irritating to eyes.         Method       Irritating to eyes.         GLP       Irritating to eyes.         Method       Irritating to eyes.         GLP       Irritating to eyes.         Method       Irritating to eyes.         GLP       Irritating to eyes.         Method       Irritating to eyes.         GLP       Irritating to eyes.         Seguit       Method         Seguit       Irritating to eyes.         Method       Irritating to eyes.				
Method       : OECD Test Guideline 404         Result       : Irritating to skin.         GLP       : no         Serious eye damage/eye irritation         Product:         Remarks       : This information is not available.         Components:         Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Species       : Rabbit         Assessment       : Urritating to eyes.         Method       : OECD Test Guideline 405         Result       : Urritating to eyes.         GLP       : no         Respiratory or skin sensitisation         Product:         Remarks       : This information is not available.         Components:         Maximisation Test         Expose routes       : Dermal         Species       : Guinea pig         Species       : Guinea pig         Species       : Does not cause skin sensitisation.         Method       : Deces not cause skin sensitisation.         Method       : Does not cause skin sensitisation.				
GLP       r. no         Serious eye damage/eye irritation         Product:         Remarks       r. This information is not available.         Deponents:         Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Species       Rabbit         Assessment       R. Irritating to eyes.         Method       OECD Test Guideline 405.         Result       Result         Method       DECD Test Guideline 405.         Result       Result         GLP       Respiratory or skin sensitisation         Remarks       This information is not available.         Defounce:       Remarks         Method components:       Maximisation Test         Remarks       Maximisation Test         Exposure routes       Dermal         Seessment       Guine a pig         Maximisation Test       Dermal         Exposure routes       Guine a pig         Method       CECD Test Guideline 406.         Method       Decens not cause skin sensitisation.         Method       CECD Test Guideline 406.         Method       Decens not cause skin sensitisation.         Method       CECD Test Guideline 406.         Method       Decen not cause ski				
<section-header>         Serious eye damage/eye irritation         Product:         Remarks       : This information is not available.         Deports:         Anines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Species       : Rabbit         Massessment       : Rabbit         Method       : OCCD Test Guideline 405.         Result       : OCTD Test Guideline 405.         Result       : Irritating to eyes.         GP       : Irritating to eyes.         GP       : Irritating to eyes.         GP       : Irritating to eyes.         Generations       : Irritating to eyes.         GP       : Irritating to eyes.         GP       : Irritating to eyes.         GP       : Irritating to eyes.         Method       : Irritating to eyes.         GP       : Irritating to eyes.</section-header>	Resu	lt	: Irritating to skin.	
Product:         Remarks       : This information is not available.         Dependents:         Annes, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Species       : Rabbit         Assessment       : Rabbit         Assessment       : OECD Test Guideline 405.         Rent :       OECD Test Guideline 405.         Result       : OITTATING to eyes.         GLP       : OITTATING to eyes.         GLP       : OITTATING to eyes.         Brenarks       : ITTATING to eyes.         GLP       : ITTATING to eyes.         Brenarks       : ITTATING to eyes.         GLP       : ITTATING to eyes.         GLP       : ITTATING to eyes.         Brenarks       : ITTATING to eyes.         GLP       : ITTATING to eyes.         Menos, C11-14-branched alkyl, monohexyl and clinexyl phosphates:         Exert :       Des not cause skin sensitisation.         Exerts :       : Des not cause skin sensitisation.         Method       : Des not cause skin sensitisation.         GLP       : Des not cause skin sensitisation.         GLP       : Des not cause skin sensitisation.	GLP		•	
Remarksf. This information is not available.Components:Anines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:Speciesf. RabbitAssessmentf. RabbitAssessmentf. RabbitAssessmentf. DECD Test Guideline 405Resultf. DECD Test Guideline 405Respiratory or skin sensitisationProduct:Remarksf. This information is not available.Demonents:Anines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:Test Typef. Maximisation TestExposure routesf. Guinea pigAssessmentf. Decs not cause skin sensitisation.Methodf. DECD Test Guideline 406Resultf. Decs not cause skin sensitisation.GLPf. Decs not cause skin sensitisation.	Serio	us eye damage/eye	irritation	
Species       Rabbit         Assessment       Rabbit         Assessment       Irritating to eyes.         Method       OECD Test Guideline 405.         Assult       Irritating to eyes.         GLP       Irritating to eyes.         GLP       Irritating to eyes.         Bespiratory or skin sensitisation         Poduct         Remarks       Irritating to eyes.         Statement       Irritating to eyes.         Betratory or skin sensitisation         Poducts       Irritating to eyes.         Remarks       Irritating to eyes.         Statement       Irritating to eyes.         Betratory or skin sensitisation       Irritating to eyes.         Betratory or skin sensitisation       Irritating to eyes.         Statements       Irritating to eyes.         Method       Irritating to eyes.         Statements       Irritating to eyes.         Statements       Irritating to eyes.         Method       Irritating to eyes.         Statements       <	Produ	uct:		
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Species <ul> <li>Rabbit</li> <li>Assessment</li> <li>Irritating to eyes.</li> <li>Method</li> <li>OECD Test Guideline 405</li> <li>Result</li> <li>Irritating to eyes.</li> <li>GLP</li> <li>no</li> </ul> <b>Respiratory or skin sensitisation Product:</b> Remarks <ul> <li>This information is not available.</li> </ul> <b>Domponents: Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:</b> Test Type         Maximisation Test           Exposure routes         Demail           Species         Guinea pig           Assessment         Oes not cause skin sensitisation.           Method <ul> <li>OECD Test Guideline 406</li> <li>Result</li> <li>Does not cause skin sensitisation.</li> <li>GLP</li> <li>mo</li> </ul>	Rema	arks	: This information is not available.	
Species       : Rabbit         Assessment       : Irritating to eyes.         Method       : OECD Test Guideline 405         Result       : Irritating to eyes.         GLP       : no         Respiratory or skin sensitisation         Product:       .         Remarks       : This information is not available.         Components:         Anines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Test Type       : Maximisation Test         Exposure routes       : Dermal         Species       : Guinea pig         Assessment       : Does not cause skin sensitisation.         Method       : OECD Test Guideline 406         Result       : Does not cause skin sensitisation.         GLP       : no	<u>Com</u>	oonents:		
Species       : Rabbit         Assessment       : Irritating to eyes.         Method       : OECD Test Guideline 405         Result       : Irritating to eyes.         GLP       : no         Respiratory or skin sensitisation         Product:       .         Remarks       : This information is not available.         Components:         Anines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Test Type       : Maximisation Test         Exposure routes       : Dermal         Species       : Guinea pig         Assessment       : Does not cause skin sensitisation.         Method       : OECD Test Guideline 406         Result       : Does not cause skin sensitisation.         GLP       : no	Amin	es, C11-14-branche	d alkyl, monohexyl and dihexyl phospha	ates:
Assessment : Irritating to eyes. Method : OECD Test Guideline 405 Result : Irritating to eyes. GLP : no Respiratory or skin sensitisation Product: Remarks : This information is not available. Components: Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates: Test Type : Maximisation Test Exposure routes : Dermal Species : Guinea pig Assessment : Does not cause skin sensitisation. Method : OECD Test Guideline 406 Result : Does not cause skin sensitisation. GLP : no				
Method       :       OECD Test Guideline 405         Result       :       Irritating to eyes.         GLP       :       no         Respiratory or skin sensitisation         Product:       .         Remarks       :       This information is not available.         Components:         Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Test Type       :       Maximisation Test         Exposure routes       :       Dermal         Species       :       Guinea pig         Assessment       :       Does not cause skin sensitisation.         Method       :       OECD Test Guideline 406         Result       :       Does not cause skin sensitisation.         GLP       :       no				
GLP       : no         Respiratory or skin sensitisation         Product:         Remarks       : This information is not available.         Components:         Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Test Type       : Maximisation Test         Exposure routes       : Dermal         Species       : Guinea pig         Assessment       : Does not cause skin sensitisation.         Method       : OECD Test Guideline 406         Result       : Does not cause skin sensitisation.         GLP       : no	Metho	bd		
Acspiratory or skin sensitisation         Product:         Memarks       : This information is not available.         Deponents:         Mannes, C11-14-branched alky, monohexyl and dihexyl phosphates:         Test Type       : Maximisation Test.         Exposure routes       : Dermal.         Species       : Guinea pig.         Assessment       : Does not cause skin sensitisation.         Method       : OECD Test Guideline 406.         Result       : Does not cause skin sensitisation.         GLP       : motor	Resu	lt	: Irritating to eyes.	
Product:         Remarks       : This information is not available.         Demonstration       : This information is not available.         Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Test Type       : Maximisation Test         Exposure routes       : Dermal         Species       : Guinea pig         Assessment       : Does not cause skin sensitisation.         Method       : OECD Test Guideline 406         Result       : Does not cause skin sensitisation.         GLP       : mo	GLP		: no	
Remarks       : This information is not available.         Components:         Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Test Type       : Maximisation Test         Exposure routes       : Dermal         Species       : Guinea pig         Assessment       : Does not cause skin sensitisation.         Method       : OECD Test Guideline 406         Result       : Does not cause skin sensitisation.         GLP       : no	Resp	iratory or skin sens	itisation	
Components:         Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:         Test Type       : Maximisation Test         Exposure routes       : Dermal         Species       : Guinea pig         Assessment       : Does not cause skin sensitisation.         Method       : OECD Test Guideline 406         Result       : Does not cause skin sensitisation.         GLP       : no	Produ	uct:		
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:Test Type:Maximisation TestExposure routes:DermalSpecies:Guinea pigAssessment:Does not cause skin sensitisation.Method:CDCD Test Guideline 406Result:Does not cause skin sensitisation.GLP:no	Rema	arks	: This information is not available.	
Test Type:Maximisation TestExposure routes:DermalSpecies:Guinea pigAssessment:Does not cause skin sensitisation.Method:OECD Test Guideline 406Result:Does not cause skin sensitisation.GLP:no	<u>Com</u>	oonents:		
Exposure routes       : Dermal         Species       : Guinea pig         Assessment       : Does not cause skin sensitisation.         Method       : OECD Test Guideline 406         Result       : Does not cause skin sensitisation.         GLP       : no	Amin	es, C11-14-branche	d alkyl, monohexyl and dihexyl phospha	ates:
Species       : Guinea pig         Assessment       : Does not cause skin sensitisation.         Method       : OECD Test Guideline 406         Result       : Does not cause skin sensitisation.         GLP       : no	Test <sup>-</sup>	Гуре	: Maximisation Test	
Assessment       :       Does not cause skin sensitisation.         Method       :       OECD Test Guideline 406         Result       :       Does not cause skin sensitisation.         GLP       :       no	Expos	sure routes	: Dermal	
Method       : OECD Test Guideline 406         Result       : Does not cause skin sensitisation.         GLP       : no	•			
Result       : Does not cause skin sensitisation.         GLP       : no				
GLP : no				
a brand of		It		
40/00			10 / 20	a brand of

Commission Regulation (EU) 2020/878 - FR

OK5®

# **OKS 350**

Version	Revision Date:	Date of last issue: 26.08.2022	Print Date:
2.0	19.02.2025	Date of first issue: 23.06.2016	19.02.2025

# Germ cell mutagenicity

#### Product:

Genotoxicity in vitro	:	Remarks: No data available
Genotoxicity in vivo	:	Remarks: No data available

#### Components:

#### Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:

Genotoxicity in vitro	:	Test Type: gene mutation test
		Test system: Salmonella typhimurium
		Metabolic activation: with and without metabolic activation
		Method: OECD Test Guideline 471
		Result: negative
		GLP: no

#### Carcinogenicity

#### Product:

Remarks

: No data available

#### **Reproductive toxicity**

Product:		
Effects on fertility	:	Remarks: No data available
Effects on foetal development	:	Remarks: No data available

#### **Components:**

#### Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates: Effects on fertility Test Type: reproductive and developmental toxicity study : Species: Rat Application Route: Oral General Toxicity - Parent: LOAEL: 10 mg/kg body weight General Toxicity F1: NOAEL: 100 mg/kg body weight Method: OECD Test Guideline 422 GLP: yes Effects on foetal Species: Rat : Application Route: Oral development General Toxicity Maternal: LOAEL: 10 mg/kg body weight Developmental Toxicity: NOAEL: 100 mg/kg body weight



GLP: yes

Method: OECD Test Guideline 422



Version	Revision Date:	Date of last issue: 26.08.2022	Print Date:
2.0	19.02.2025	Date of first issue: 23.06.2016	19.02.2025

#### STOT - single exposure

#### Product:

Remarks

: No data available

#### STOT - repeated exposure

#### Product:

Remarks : No data available

#### **Components:**

Amines	C11-14-branched alky	l, mo	nohe	kyl and	dihexyl phosphates:	
- · ·						

Target Organs	:	lymph node	
Assessment	:	The substance or mixture is classified as specific target organ	
	toxicant, repeated exposure, category 1.		

#### Repeated dose toxicity

#### Product:

Remarks :	This information is not available.
-----------	------------------------------------

#### **Components:**

#### Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates:

Species :	Rat, male and female
LOAEL :	10 mg/kg
Application Route :	Oral
Exposure time :	28
Method :	OECD Test Guideline 422
GLP :	yes
Remarks :	Not classified due to inconclusive data.

# Aspiration toxicity

#### Product:

This information is not available.

#### 11.2 Information on other hazards

#### Endocrine disrupting properties

#### Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation





<b>OKS 35</b>	0		
Version 2.0	Revision Date: 19.02.2025	Date of last issue: 26.08.202 Date of first issue: 23.06.201	
(EU) 2017/2100 or Commission Regulation (EU) 2018/605 a levels of 0.1% or higher.			
Furth	ner information		
<u>Prod</u> Rema		: Information given is bas the toxicology of similar	sed on data on the components and products.

# **SECTION 12: Ecological information**

# 12.1 Toxicity

-		
<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
Components:		
Amines, C11-14-branched al	lky	l, monohexyl and dihexyl phosphates:
Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 5,5 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203 GLP: no
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: no
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes



according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878 - FR



# **OKS 350**

Versic 2.0	on Revision Date: 19.02.2025	Date of last issue: 26.08.2022 Date of first issue: 23.06.2016	Print Date: 19.02.2025
Т	oxicity to microorganisms	: EC50 (Bacteria): > 100 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209 GLP: no	
a	oxicity to daphnia and othe quatic invertebrates Chronic toxicity)	<ul> <li>NOEC: &gt; 10 mg/l Exposure time: 22 d Species: Daphnia magna (Water flea) Test Type: semi-static test Method: OECD Test Guideline 211 GLP: yes</li> </ul>	
12.2 F	Persistence and degradab	lity	
<u>P</u>	Product:		
B	Biodegradability	: Remarks: No data available	
	Physico-chemical emovability	: Remarks: No data available	
<u>c</u>	Components:		
		alkyl, monohexyl and dihexyl phosphates	3:
B	Biodegradability	: Test Type: aerobic Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: 12 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: no	
12.3 E	Bioaccumulative potential		
<u>P</u>	Product:		
B	Bioaccumulation	: Remarks: No data available	
<u>c</u>	Components:		
A	mines, C11-14-branched	alkyl, monohexyl and dihexyl phosphates	5:
B	Bioaccumulation	: Bioconcentration factor (BCF): 0,85 - 2	278
12.4 N	Nobility in soil		
<u>P</u>	Product:		
Ν	lobility	: Remarks: No data available	
D	Distribution among	: Remarks: No data available	
		14 / 20	a brand of





Version	Revision Date:	Date of last issue: 26.08.2022	Print Date:
2.0	19.02.2025	Date of first issue: 23.06.2016	19.02.2025

environmental 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

P	rod	uc	t:
-			

Assessment

The substance/mixture does not contain components : considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### 12.7 Other adverse effects

**Product:** 

Additional ecological : information	:	No information on ecology is available.

#### **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 a brand of 15/20 **FREUDENBERG**



Version 2.0	Revision Date: 19.02.2025	Date of last issue: 26.08.2022 Date of first issue: 23.06.2016	Print Date: 19.02.2025
----------------	---------------------------	-------------------------------------------------------------------	------------------------

uncleaned packagings 15 01 10\*, packaging containing residues of or contaminated by hazardous substances

# **SECTION 14: Transport information**

14.1 UN number or ID number		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.2 UN proper shipping name		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
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
14.5 Environmental hazards		
ADN	:	Not regulated as a dangerous good





OKS 35			200	D. S. ( D. (
/ersion 2.0	Revision Date: 19.02.2025	Date of last issue: 26.08.20 Date of first issue: 23.06.20		Print Date: 19.02.2025
ADR			n	
		: Not regulated as a da	-	-
RID		: Not regulated as a da	-	-
IMDO 14.6 Spec	ial precautions for	: Not regulated as a da user	nger	ous good
Not a	pplicable			
4.7 Marit	time transport in bu	Ik according to IMO instrum	ents	i
Rema	arks	: Not applicable for proc	duct	as supplied.
SECTION	N 15: Regulatory in	nformation		
	To: Regulatory in			
I5.1 Safet nixture	ty, health and envir	onmental regulations/legisla	tion	specific for the substance or
the m		he manufacture, placing on ain dangerous substances, ex XVII)	:	Conditions of restriction for the following entries should be considered: Number on list 3
Conc	CH - Candidate List c ern for Authorisation SVHC)	f Substances of Very High (Article 59).	:	This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
deple	Regulation (EC) No 1005/2009 on substances that deplete the ozone layer (EC 1005/2009)		:	Not applicable
pollut	lation (EU) 2019/102 ants (recast) POP)	1 on persistent organic	:	Not applicable
Parlia	rt of dangerous chem	il concerning the export and	:	Not applicable
(Anne	CH - List of substance ex XIV) REACH-Annex XIV)	es subject to authorisation	:	Not applicable
Requ	lation (EU) 2019/114	8 on the marketing and use of		Not applicable

Regulation (EU) 2019/1148 on the marketing and use of : Not applicable explosives precursors



according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878 - FR



# **OKS 350**

Version	Revision Date:	Date of last issue: 26.08.2022	Print Date:
2.0	19.02.2025	Date of first issue: 23.06.2016	19.02.2025

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.		Not applicable	
Installations classified for the protection of the environment (Environment Code R511-9)		Not applicable	
Occupational Illnesses (R- 461-3, France)	:	34, 49, 49 bis	
Reinforced medical supervision (R4624-23)	:	The product has no CMR	properties category 1, 1A or 1B
Volatile organic compounds	:		4 November 2010 on industrial ution prevention and control)

#### Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

## 15.2 Chemical safety assessment

This information is not available.

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

#### **Full text of H-Statements**

H315 :	Causes skin irritation.
H319 :	Causes serious eye irritation.
H372 :	Causes damage to organs through prolonged or repeated exposure.
H411 :	Toxic 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



### **SAFETY DATA SHEET** according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878 - FR



# **OKS 350**

Version	Revision Date: 19.02.2025	Date of last issue: 26.08.2022	Print Date:
2.0		Date of first issue: 23.06.2016	19.02.2025

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**

Classification of the	e mixture:	Classification procedure:	
STOT RE 2	H373	Calculation method	

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

This safety data sheet applies only to products as originally packed and labelled. The information contained therein may not be reproduced or modified without our express written permission. Any forwarding of this document is only permitted to the extent required by law. Any further, in particular public, dissemination of the safety data sheet (e.g. as a document for download from the Internet) is not permitted without our express written consent. We provide our customers with amended safety data sheets as prescribed by law. The customer is responsible for passing on safety data sheets and any amendments contained therein to its own customers, employees and other users of the product. We provide no guarantee that safety data sheets received by users 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





Version	Revision Date:	Date of last issue: 26.08.2022	Print Date:
2.0	19.02.2025	Date of first issue: 23.06.2016	19.02.2025

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.

