- RU



OKS 3600

Version	Revision Date:	Date of last issue: 22.09.2021	Print Date:
1.3	26.01.2023	Date of first issue: 01.06.2016	03.02.2023

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

Product name : OKS 3600

Manufacturer or supplier's details							
Company name of supplier	:	OKS Spezialschmierstoffe GmbH Ganghoferstr. 47 D-82216 Maisach-Gernlinden Tel.: +49 8142 3051 500 Fax.: +49 8142 3051 599 info@oks-germany.com					
E-mail address of person responsible for the SDS	:	mcm@oks-germany.com Material Compliance Management					
Emergency telephone number	:	+7 495 628 1687 +49 8142 3051 517					
Recommended use of the chemical and restrictions on use							
Recommended use	:	Lubricant					
Restrictions on use	:	Restricted to professional users.					

2. HAZARDS IDENTIFICATION

GHS Classification (Accordin Flammable liquids	ng i :	to GOST 32423, GOST 32424 and GOST 32425) Category 4
Skin sensitisation	:	Category 1
GHS-Labelling (According to Hazard pictograms	• G :	OST 31340)
Signal word	:	Warning
Hazard statements	:	H227 Combustible liquid. H317 May cause an allergic skin reaction.
Precautionary statements	:	Prevention: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing vapours. P280 Wear protective gloves/ protective clothing/ eye





OKS 3600

Version	Revision Date:	Date of last issue: 22.09.2021	Print Date:
1.3	26.01.2023	Date of first issue: 01.06.2016	03.02.2023

protection/ face protection.

Response:

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P370 + P378 In case of fire: Use alcohol-resistant foam, carbon dioxide or water mist to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture	:	Mixture
Chemical nature	:	Synthetic hydrocarbon oil Additive

Components

Chemical name	Concentration (% w/w)	Occupational E Limits	xposure	CAS-No.	EC-No.
		MAC value mg/m3 / TSEL value	Hazard Class		
Hydrocarbons, C11- C13, isoalkanes, <2% aromatics	>= 50 - < 70	MPC-TWA: 100 mg/m3 Data Source: RU OEL	4		920-901-0
		MPC-STEL: 300 mg/m3 Data Source: RU OEL	4		
		MPC-TWA: 100 mg/m3 Data Source: RU OEL	4		
		MPC-STEL: 300 mg/m3 Data Source: RU OEL	4		
Akyl naphthalene sulfonic acid, calcium	>= 1 - < 10	No data available		Not Assigned	943-845-9



- RU



OKS 3600

Version	Revision Date:	Date of last issue: 22.09.2021	Print Date:
1.3	26.01.2023	Date of first issue: 01.06.2016	03.02.2023

salt (CAS-No. confidential)				
Poly Alpha Olefin (PAO)	>= 1 - < 10	No data available	68037-01-4	500-183-1
N,N-bis(2-ethylhexyl)-5- methyl-1H- benzotriazole-1- methylamine, N,N-bis(2- ethylhexyl)-4-methyl-1H- benzotriazole-1- methylamine, 2H- Benzotriazole-2- methanamine, N,N- bis(2-ethylhexyl)-4- methyl-, 2H- Benzotriazole-2- methanamine, N,N- bis(2-ethylhexyl)-5- methyl-, 1H- Benzotriazole-1- methanamine, N,N- bis(2-ethylhexyl)-6- methyl-(Mixture)	>= 0,1 - < 0,25	No data available		939-700-4

4. 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. Get medical attention immediately if irritation develops and persists. Wash clothing before reuse. Thoroughly clean shoes before reuse. Wash skin thoroughly with soap and water or use recognized skin cleanser.
In case of eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Seek medical advice.
If swallowed	:	Move the victim to fresh air. If unconscious, place in recovery position and seek medical advice.





/ersion 1.3	Revision Date: 26.01.2023		e of last issue: 22.09.2021 e of first issue: 01.06.2016	Print Date: 03.02.2023
			Keep respiratory tract clear. Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to	o an unconscious person.
	important symptoms effects, both acute and red	:	Can be absorbed through skin. May cause an allergic skin reac Skin contact may provoke the fo Erythema Allergic appearance	
Notes	Notes to physician		The first aid procedure should b with the doctor responsible for in Treat symptomatically.	
5. FIREFI	GHTING MEASURES			
Flam	mable properties			
Flash	n point	:	66,5 °C Method: DIN 51758	
Ignitio	on temperature	:	No data available	
	Upper explosion limit / Upper flammability limit		No data available	
	Lower explosion limit / Lower flammability limit		No data available	
Flam	mability (solid, gas)	:	Not applicable	
Suita	ble extinguishing media	:	Use water spray, alcohol-resista carbon dioxide.	ant foam, dry chemical or
Unsu medi	itable extinguishing a	:	High volume water jet	
Haza produ	rdous combustion ucts	:	Carbon oxides Sulphur oxides Metal oxides	
Furth	er information	:	Standard procedure for chemica Cool containers/tanks with wate	
	Special protective equipment for firefighters		In the event of fire, wear self-co Use personal protective equipm Exposure to decomposition proc health.	ent.



- RU



OKS 3600

Version	Revision Date:	Date of last issue: 22.09.2021	Print Date:
1.3	26.01.2023	Date of first issue: 01.06.2016	03.02.2023

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Evacuate personnel to safe areas. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Do not breathe vapours or spray mist. Refer to protective measures listed in sections 7 and 8.
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.
Methods and materials for containment and 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). Non-sparking tools should be used.

7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Keep away from heat and sources of ignition.
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. Keep away from fire, sparks and heated surfaces. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Wash hands and face before breaks and immediately after handling the product. Ensure all equipment is electrically grounded before beginning transfer operations. Do not get in eyes or mouth or on skin. Do not get on skin or clothing. Do not enter areas where used or stored until adequately ventilated. Do not repack. Do not repack.





OKS 3600

Version 1.3	Revision Date: 26.01.2023	Date of last issue: 22.09.2021 Date of first issue: 01.06.2016	Print Date: 03.02.2023
		These safety instructions also app may still contain product residues Keep container closed when not in	
Conditions for safe storage		: Store in original container. Keep container closed when not in Keep in a dry, cool and well-ventil Do not store together with oxidizin Containers which are opened mus kept upright to prevent leakage. Store in accordance with the parti Keep in properly labelled container	ated place. Ig and self-igniting products. It be carefully resealed and cular national regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Data Source	
Hydrocarbons, C11-C13,	Not Assigned	MPC-TWA	100 mg/m3	RU OEL	
isoalkanes, <2% aromatics		(vapour and/or gas)	(Carbon)	(2011-07-12)	
	Further information: Class 4 - Moderately Dangerous				
		MPC-STEL	300 mg/m3	RU OEL	
		(vapour	(Carbon)	(2011-07-12)	
		and/or gas)			
	Further informa	ation: Class 4 - N	Moderately Dangerou	S	
		MPC-TWA (vapour and/or gas)	100 mg/m3 (Carbon)	RU OEL (2021-02-03)	
	Further informa	ation: Class 4 - L	ow hazard		
		MPC-STEL	300 mg/m3	RU OEL	
		(vapour	(Carbon)	(2021-02-03)	
		and/or gas)			
	Further information: Class 4 - Low hazard				

Components with workplace control parameters

: Effective exhaust ventilation system

Respiratory protection	:	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
Filter type	:	Filter type A-P
Hand protection Material Break through time	:	Nitrile rubber > 10 min



- RU



OKS 3600

Version 1.3	Revision Date: 26.01.2023		Print Date: 03.02.2023	
Pr	otective index	: Class 1		
Remarks		: Wear protective gloves. The break through time depends amongst other things on the material, the thickness and type of glove and therefore has to be measured for each case.		
Eye p	protection	: Safety glasses with side-shields		
Skin	and body protection	: Choose body protection in relation to its typ concentration and amount of dangerous sul the specific work-place.		
Prote	ctive measures	: The type of protective equipment must be s to the concentration and amount of the dang at the specific workplace.	-	
Hygie	ene measures	: Wash face, hands and any exposed skin the handling.	oroughly after	

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	beige, orange
Odour	:	characteristic
Odour Threshold	:	No data available
рН	:	Not applicable substance/mixture is non-polar/aprotic
Melting point/range	:	No data available
Boiling point/boiling range	:	204 °C (1.013 hPa)
Flash point	:	66,5 °C
		Method: DIN 51758
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable



- RU



OKS 3600

Vers 1.3	ion	Revision Date: 26.01.2023		of last issue: 22.09.2021 of first issue: 01.06.2016	Print Date: 03.02.2023
	Self-igr	nition	:	No data available	
		explosion limit / Upper ability limit	:	No data available	
		explosion limit / Lower ability limit	:	No data available	
	Vapou	rpressure	:	51,6 hPa (20 °C)	
	Relativ	e vapour density	:	No data available	
	Relativ	e density	:	0,8072 (20 °C) Reference substance: Water The value is calculated	
	Density	/	:	0,81 g/cm3 (20 °C)	
	Bulk de	ensity	:	No data available	
	Solubili Wat	ity(ies) ter solubility	:	immiscible	
	Solu	ubility in other solvents	;	No data available	
	Partitio octano	n coefficient: n- I/water	:	No data available	
	Auto-ig	nition temperature	:	No data available	
	Decom	position temperature	:	No data available	
	Viscosi Visc	ity cosity, dynamic	:	No data available	
	Viso	cosity, kinematic	:	27,1 mm2/s (40 °C)	
	Explos	ive properties	:	Not explosive	
	Oxidizi	ng properties	:	No data available	
	Sublim	ation point	:	No data available	
	Metal c	corrosion rate	:	Not corrosive to metals	

10. STABILITY AND REACTIVITY

Reactivity

: No hazards to be specially mentioned.





OKS 3600

Version 1.3	Revision Date: 26.01.2023		e of last issue: 22.09.2021 e of first issue: 01.06.2016	Print Date: 03.02.2023
Cher	nical stability	:	Stable under normal conditions.	
Poss	ibility of hazardous tions	:	No dangerous reaction known ur	nder conditions of normal use.
Cond	ditions to avoid	:	Heat, flames and sparks.	
Inco	mpatible materials	:	Oxidizing agents	
Haza prod	ardous decomposition ucts	:	No decomposition if stored and a	applied as directed.

11. TOXICOLOGICAL INFORMATION

Acute toxicity		
Product:		
Acute oral toxicity	:	Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 10 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method
		Remarks: Prolonged or repeated skin contact with liquid may cause defatting resulting in drying, redness and possible blistering.
		Symptoms: Redness, Local irritation, Skin disorders
Components:		
Akyl naphthalene sulfonic a	cid	, calcium salt (CAS-No. confidential):
Acute oral toxicity	:	LD50 (Rat): > 2.000 mg/kg
Poly Alpha Olefin (PAO):		
Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 5,2 mg/l



- RU



12 30	00			
rsion	Revision Date: 26.01.2023		e of last issue: 22.09.2021 e of first issue: 01.06.2016	Print Date: 03.02.2023
			Exposure time: 4 h Test atmosphere: dust/mist	
Acute	e dermal toxicity	:	LD50 (Rat): > 2.000 mg/kg	
1H-be meth	enzotriazole-1-methy yl-, 2H-Benzotriazole	/lamine, e-2-meth	H-benzotriazole-1-methylamine, N,N 2H-Benzotriazole-2-methanamine, nanamine, N,N-bis(2-ethylhexyl)-5-r cyl)-6-methyl-(Mixture)	N,N-bis(2-ethylhexyl)-4-
:				
Acute	e oral toxicity	:	LD50 (Rat): 3.313 mg/kg Method: OECD Test Guideline 40	1
Acute	e dermal toxicity	:	LD50 (Rat): > 2.000 mg/kg Method: OECD Test Guideline 40 Assessment: The substance or mit toxicity	
Skin <u>Prod</u> Rema		:	This information is not available.	
Com	ponents:			
		. isoalk	anes, <2% aromatics:	
Resu			Repeated exposure may cause sk	in dryness or cracking.
Poly	Alpha Olefin (PAO)	:		
Resu	lt	:	No skin irritation	
1H-be meth	enzotriazole-1-methy yl-, 2H-Benzotriazole	/lamine, e-2-meth	H-benzotriazole-1-methylamine, N,N 2H-Benzotriazole-2-methanamine, nanamine, N,N-bis(2-ethylhexyl)-5-r tyl)-6-methyl-(Mixture)	N,N-bis(2-ethylhexyl)-4-
:			Dabbit	
Spec Asse	ies ssment	:	Rabbit Irritating to skin.	
Meth Resu	od	:	Draize Test Irritating to skin.	
17620	n	•	initaling to skin.	



- RU



OKS 3600

Version 1.3	Revision Date: 26.01.2023	Date of last issue: 22.09.2021 Date of first issue: 01.06.2016	Print Date: 03.02.2023

Product:		
Remarks	:	This information is not available.
Components:		
Akyl naphthalene sulfonic a	cid	, calcium salt (CAS-No. confidential):
Species	:	

Serious eye damage/eye irritation

Species	: Rabbit
Result	: Eye irritation

Poly Alpha Olefin (PAO):

Result	: No eye irritation
--------	---------------------

N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture)

•	
Species	: Rabbit
Result	: No eye irritation
Assessment	: No eye irritation
Method	: Draize Test

Respiratory or skin sensitisation

Product:
Remarks

•

: This information is not available.

Components:

Poly Alpha Olefin (PAO):		
Result	:	Did not cause sensitisation on laboratory animals.

N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole-1methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture)

•	
-	

Test Type

: Maximisation Test





OKS 3600

JN2 301	JU			
/ersion .3	Revision Date: 26.01.2023		e of last issue: 22.09.2021 e of first issue: 01.06.2016	Print Date: 03.02.2023
Speci Asses Metho Resu	ssment od	:	Guinea pig The product is a skin sensitiser, sul OECD Test Guideline 406 The product is a skin sensitiser, sul	
Germ	cell mutagenicity			
<u>Prode</u> Geno	uct: toxicity in vitro	:	Remarks: No data available	
Geno	toxicity in vivo	:	Remarks: No data available	
<u>Com</u>	ponents:			
•	Alpha Olefin (PAO): toxicity in vitro	:	Test Type: Ames test Result: negative Remarks: In vitro tests did not shov	v mutagenic effects
1H-be methy	enzotriazole-1-methyla yl-, 2H-Benzotriazole-	amine 2-metl	H-benzotriazole-1-methylamine, N,N- 2H-Benzotriazole-2-methanamine, I nanamine, N,N-bis(2-ethylhexyl)-5-m (yl)-6-methyl-(Mixture)	N,N-bis(2-ethylhexyl)-4-
:				
Geno	toxicity in vitro	:	Test Type: Ames test Method: OECD Test Guideline 471 Result: negative	
	cell mutagenicity - ssment	:	Tests on bacterial or mammalian ce mutagenic effects.	ell cultures did not show
Carci	nogenicity			
Prod	uct:			

Remarks

: No data available



- RU



OKS 3600

Version	Revision Date:	Date of last issue: 22.09.2021	Print Date:
1.3	26.01.2023	Date of first issue: 01.06.2016	03.02.2023

Components:

N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture)

```
:
```

Carcinogenicity -	:	Carcinogenicity classification not possible from current data.
Assessment		

Reproductive toxicity

<u>Product:</u> Effects on fertility	:	Remarks: No data available
Effects on foetal development	:	Remarks: No data available

Components:

N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture)

:

Effects on fertility :	Species: Rat Application Route: Oral General Toxicity - Parent: NOAEL: 45 mg/kg body weight General Toxicity F1: NOAEL: 45 mg/kg body weight Fertility: NOAEL: 150 mg/kg body weight Method: OECD Test Guideline 422
Effects on foetal : development	Species: Rat Application Route: Oral Duration of Single Treatment: 28 h General Toxicity Maternal: NOAEL: 45 mg/kg body weight Developmental Toxicity: NOAEL: 45 mg/kg body weight Method: OECD Test Guideline 422
	- Fertility -
Assessment	No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments. - Teratogenicity -
	No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.



- RU



OKS 3600

Version	Revision Date:	Date of last issue: 22.09.2021	Print Date:
1.3	26.01.2023	Date of first issue: 01.06.2016	03.02.2023

STOT - single exposure

Components:

N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole-1methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture)

:

Assessment

: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Components:

N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole-1methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture)

:

Assessment

: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Product:

Remarks

: This information is not available.

Components:

N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole-1methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture)

•		
Species	:	Rat
NOAEL	:	45 mg/kg
Application Route	:	Oral
Exposure time	:	28
Method	:	OECD Test Guideline 422



- RU



OKS 3600

Version	Revision Date:	Date of last issue: 22.09.2021	Print Date:
1.3	26.01.2023	Date of first issue: 01.06.2016	03.02.2023

Aspiration toxicity

Product:

This information is not available.

Components:

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics:

2

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

Poly Alpha Olefin (PAO):

May be fatal if swallowed and enters airways.

N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture)

:

No aspiration toxicity classification

Further information

Product:

Remarks

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

12. ECOLOGICAL INFORMATION

Ecotoxicity	
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



- RU



ersion .3	Revision Date: 26.01.2023		e of last issue: 22.09.2021 e of first issue: 01.06.2016	Print Date: 03.02.2023
Toxicit	ty to microorganisms	:	Remarks: No data available	
<u>Comp</u>	onents:			
-	Alpha Olefin (PAO): ty to fish	:	LC50 (Oncorhynchus mykiss (rai Exposure time: 96 h	inbow trout)): > 1.000 mg/l
	ty to daphnia and other c invertebrates	:	NOEC (Daphnia magna (Water f Exposure time: 48 h	lea)): > 1.000 mg/l
Toxicit plants	ty to algae/aquatic	:	NOEC (algae): > 1.000 mg/l Exposure time: 72 h	
1H-bei methyl	nzotriazole-1-methylam	nine, meth	l-benzotriazole-1-methylamine, N, 2H-Benzotriazole-2-methanamine anamine, N,N-bis(2-ethylhexyl)-5- yl)-6-methyl-(Mixture)	e, N,N-bis(2-ethylhexyl)-4-
Toxicit	ty to fish	:	LC50 (Brachydanio rerio (zebrafi Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 20	
	ty to daphnia and other c invertebrates	:	EC50 (Daphnia magna (Water fle Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 20	
Toxicit plants	ty to algae/aquatic	:	EC50 (Desmodesmus subspicate Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 20	
M-Fac toxicity	tor (Acute aquatic y)	:	1	
Toxicit	ty to microorganisms	:	EC20 (activated sludge): 15 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 20	



- RU



sion Revision Date: Date of last issue: 22.09.2021 Print Date: 03.02.2023 Ecotoxicology Assessment Acute aquatic toxicity : Very toxic to aquatic life. Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects. Persistence and degradability Product: Biodegradability : Remarks: No data available Physico-chemical : Remarks: No data available Biodegradability : Remarks: No data available Physico-chemical : Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B N.N-bis(2-ethylhexyl)-6-methyl-(Mixture) : Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradability : Primary biodegradation Kexposure time: 28 d Method: OECD Test Guideline 301B Bioaccumulative potential Product: Bioaccumulation : Remarks: This mixture contains no substance considered t be persistent, bioaccumulating and toxic (PBT).	(S 36)	00			
Acute aquatic toxicity : Very toxic to aquatic life. Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects. Persistence and degradability <u>Product:</u> Biodegradability : Remarks: No data available Physico-chemical : Remarks: No data available removability <u>Components:</u> Akyl naphthalene sulfonic acid, calcium salt (CAS-No. confidential): Biodegradability : Remarks: No data available Poly Alpha Olefin (PAO): Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-meth H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-meth H-benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-meth H-benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-meth H-benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-meth H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-meth Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-6-methyl-(Mixture) : Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradability : Primary biodegradation Method: OECD Test Guideline 301B Biodegradability : Primary biodegradable Biodegradability : E Primary biodegradable Biodegradability : Primary biodegradable Biodegradability : E Primary biodegradabl					
Acute aquatic toxicity : Very toxic to aquatic life. Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects. Persistence and degradability <u>Product:</u> Biodegradability : Remarks: No data available Physico-chemical : Remarks: No data available removability <u>Components:</u> Akyl naphthalene sulfonic acid, calcium salt (CAS-No. confidential): Biodegradability : Remarks: No data available Poly Alpha Olefin (PAO): Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-meth H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-meth H-benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-meth H-benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-meth H-benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-meth H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-meth Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-6-methyl-(Mixture) : Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradability : Primary biodegradation Method: OECD Test Guideline 301B Biodegradability : Primary biodegradable Biodegradability : E Primary biodegradable Biodegradability : Primary biodegradable Biodegradability : E Primary biodegradabl					
Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects. Persistence and degradability Product: Biodegradability : Remarks: No data available Physico-chemical : Remarks: No data available removability Components: Akyl naphthalene sulfonic acid, calcium salt (CAS-No. confidential): Biodegradability : Remarks: No data available Poly Alpha Olefin (PAO): Biodegradability : Remarks: No data available Poly Alpha Olefin (PAO): Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-meth H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture) : Biodegradability : Primary biodegradation Incoulum: activated sludge Result: Not rapidly biodegradable Biodegradabile Biodegradabil	Ecot	oxicology Assessm	ent		
Persistence and degradability Product: Biodegradability Remarks: No data available Physico-chemical Remarks: No data available removability Remarks: No data available Components: Akyl naphthalene sulfonic acid, calcium salt (CAS-No. confidential): Biodegradability Remarks: No data available Poly Alpha Olefin (PAO): Biodegradability Biodegradability Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-2-methylemanine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture) : Biodegradability Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradability Primary biodegradable Biodegradabile : Bioaccumulative potential Product: Bioaccumulation Remarks: This mixture contains no substance considered t be persistent, bioaccumulating and toxic (PBT).	Acute	e aquatic toxicity	:	Very toxic to aquatic life.	
Product: Biodegradability : Remarks: No data available Physico-chemical : Remarks: No data available removability : Remarks: No data available Components: Akyl naphthalene sulfonic acid, calcium salt (CAS-No. confidential): Biodegradability : Remarks: No data available Poly Alpha Olefin (PAO): : Biodegradability Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B N.N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole i: : Biodegradability : : : <td>Chroi</td> <td>nic aquatic toxicity</td> <td>:</td> <td>Toxic to aquatic life with long la</td> <td>sting effects.</td>	Chroi	nic aquatic toxicity	:	Toxic to aquatic life with long la	sting effects.
Biodegradability : Remarks: No data available Physico-chemical removability : Remarks: No data available Components: Akyl naphthalene sulfonic acid, calcium salt (CAS-No. confidential): Biodegradability : Remarks: No data available Poly Alpha Olefin (PAO): Biodegradability Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole 2-methanamine, N,N-bis(2-ethy	Persi	stence and degrada	ability		
Biodegradability : Remarks: No data available Physico-chemical removability : Remarks: No data available Components: Akyl naphthalene sulfonic acid, calcium salt (CAS-No. confidential): Biodegradability : Remarks: No data available Poly Alpha Olefin (PAO): Biodegradability Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole 2-methanamine, N,N-bis(2-ethy	Prod	uct:			
removability Components: Akyl naphthalene sulfonic acid, calcium salt (CAS-No. confidential): Biodegradability : Remarks: No data available Poly Alpha Olefin (PAO): Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-2-methylnamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-2-methylamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-2-methylamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-2-methylamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-2-methyl-mine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-2-methylemine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-2-methylemine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-2-methylemine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-2-methylemine, N,N-bis(2-ethylhexyl)-4-methyl-, 1H-Benzotriazole methyl-, 2H-Benzotriazole-2-methyl-(Mixture) : Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradabile Biodegradabil			:	Remarks: No data available	
removability Components: Akyl naphthalene sulfonic acid, calcium salt (CAS-No. confidential): Biodegradability : Remarks: No data available Poly Alpha Olefin (PAO): Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-2-methylamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-2-methylamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-2-methylamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-2-methylamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-2-methylamine, N,N-bis(2-ethylhexyl)-4-methyl. 1H-benzotriazole-2-methylamine, N,N-bis(2-ethylhexyl)-4-methyl. 1H-benzotriazole-2-methylamine, N,N-bis(2-ethylhexyl)-4-methyl. 1H-benzotriazole-2-methylamine, N,N-bis(2-ethylhexyl)-4-methyl. 1H-benzotriazole-2-methylexyl)-6-methyl-(Mixture) : Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradabile					
Supponents: Aky naphthalene sulfonic acid, calcium salt (CAS-No. confidential): Biodegradability Remarks: No data available Poly Alpha Olefin (PAO): Biodegradability Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture) : Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: < 10 % Exposure time: 28 d Method: OECD Test Guideline 301B Bioaccumulative potential Product: Bioaccumulation Product: Remarks: This mixture contains no substance considered the persistent, bioaccumulating and toxic (PBT).			:	Remarks: No data available	
Akyl naphthalene sulfonic acid, calcium salt (CAS-No. confidential): Biodegradability : Remarks: No data available Poly Alpha Olefin (PAO): Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-meth 2H-Benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole methanamine, N,N-bis(2-ethylhexyl)-6-methyl- (Mixture) : : Biodegradability : Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradabile Biodegradabile Bioaccumulative potential Product: Bioaccumulative potential Product: : Bioaccumulation : : Remarks: This mixture contains no substance considered the persistent, bioaccumulating and toxic (PBT).					
Biodegradability : Remarks: No data available Poly Alpha Olefin (PAO): Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture) : Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradabile Biodegradation: < 10 % Exposure time: 28 d Method: OECD Test Guideline 301B Bioaccumulative potential Product: Bioaccumulation : Remarks: This mixture contains no substance considered t be persistent, bioaccumulating and toxic (PBT).	<u>Com</u>	ponents:			
Poly Alpha Olefin (PAO): Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-methyl- H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4- methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture) : : Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: < 10 % Exposure time: 28 d Method: OECD Test Guideline 301B Bioaccumulative potential Product: Bioaccumulation : Remarks: This mixture contains no substance considered t be persistent, bioaccumulating and toxic (PBT).	-	•	ic acid,		ential):
Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4- methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture) : Biodegradability : Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: < 10 % Exposure time: 28 d Method: OECD Test Guideline 301B Bioaccumulative potential Product: Bioaccumulation : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).	Biode	egradability	:	Remarks: No data available	
Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-meth 1H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4- methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture) : Biodegradability : Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: < 10 % Exposure time: 28 d Method: OECD Test Guideline 301B Bioaccumulative potential Product: Bioaccumulation : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).					
Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-methyl- methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4- methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture) : Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: < 10 % Exposure time: 28 d Method: OECD Test Guideline 301B Bioaccumulative potential Product: Bioaccumulation : Remarks: This mixture contains no substance considered t be persistent, bioaccumulating and toxic (PBT).	-	• • • •	:	Drimory high-gradation	
Method: OECD Test Guideline 301B N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4-methyl-2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture) : Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradabile Biodegradability : Bioaccumulative potential Product: Bioaccumulation : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).	DIOUE	gradability	•		
N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine, N,N-bis(2-ethylhexyl)-4- methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture) : Biodegradability : Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: < 10 % Exposure time: 28 d Method: OECD Test Guideline 301B Bioaccumulative potential Product: Bioaccumulation : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).					
 1H-benzotriazole-1-methylamine, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl-, 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl-, 1H-Benzotriazole methanamine, N,N-bis(2-ethylhexyl)-6-methyl-(Mixture) Biodegradability Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: < 10 % Exposure time: 28 d Method: OECD Test Guideline 301B Bioaccumulative potential Product: Bioaccumulation Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). 				Method. OLCD Test Guidenne	
Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: < 10 %	1H-be meth	enzotriazole-1-methy yl-, 2H-Benzotriazole	lamine, -2-meth	2H-Benzotriazole-2-methanamir anamine, N,N-bis(2-ethylhexyl)-	ne, N,N-bis(2-ethylhexyl)-4-
Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: < 10 %	:				
Result: Not rapidly biodegradable Biodegradation: < 10 %	Biode	egradability	:		
Exposure time: 28 d Method: OECD Test Guideline 301B Bioaccumulative potential Product: Bioaccumulation : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).				Result: Not rapidly biodegradab	le
Method: OECD Test Guideline 301B Bioaccumulative potential <u>Product:</u> Bioaccumulation : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). 47 (22)					
Product: Bioaccumulation : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). 17 (22)					301B
Product: Bioaccumulation : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). 17 (22)	Bioa	ccumulative potenti	ial		
Bioaccumulation : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).		-			
47/00			:		
				17 / 23	a brand of



- RU



Compo Akyl na Bioaccu Poly Al Bioaccu N,N-bis(1H-benz methyl-, methana	26.01.2023		e of last issue: 22.09.2021 e of first issue: 01.06.2016 This mixture contains no substance cons persistent and very bioaccumulating (vPv	
Akyl na Bioaccu Poly All Bioaccu N,N-bis(1H-benz methyl-, methana :	nents:			
Akyl na Bioaccu Poly All Bioaccu N,N-bis(1H-benz methyl-, methana :	nents:			B).
Bioaccu Poly Alı Bioaccu N,N-bis(1H-benz methyl-, methana :				
Poly All Bioaccu N,N-bis(1H-benz methyl-, methana :	phthalene sulfonic a	acid,	calcium salt (CAS-No. confidential):	
Bioaccu N,N-bis(1H-benz methyl-, methana	mulation	:	Remarks: No data available	
N,N-bis(1H-benz methyl-, methana :	pha Olefin (PAO):			
1H-benz methyl-, methana	mulation	:	Bioconcentration factor (BCF): > 10 Remarks: No data available	
: Bioaccu	zotriazole-1-methylam 2H-Benzotriazole-2-r	iine, neth	I-benzotriazole-1-methylamine, N,N-bis(2- 2H-Benzotriazole-2-methanamine, N,N-bi anamine, N,N-bis(2-ethylhexyl)-5-methyl- yl)-6-methyl-(Mixture)	s(2-ethylhexyl)-4-
Bioaccu				
	Imulation	:	Bioconcentration factor (BCF): 1.676	
Partition octanol/	n coefficient: n- /water	:	Remarks: Not applicable	
Mobility	y in soil			
Product	<u>t:</u>			
Mobility		:	Remarks: No data available	
	tion among mental compartments	:	Remarks: No data available	
Other a	dverse effects			
Product	<u>t:</u>			
Addition informat	al ecological tion	:	No information on ecology is available.	
Hygieni	ic standards:			
(Allowa				

Components	Air	Water	Soil	Data
				Source
	TSEL value:	Maximum	No data	List 2
Hydrocarbons, C11-	1,2 mg/m3	Permissible	available	List 5
C13, isoalkanes, <2%		Concentration:		







OKS 3600

Version	Revision Date: 26.01.2023	Date of last issue: 22.09.2021	Print Date:
1.3		Date of first issue: 01.06.2016	03.02.2023
aroma	atics	0,05 Milligrams per cubed decimeter Limiting health hazard indicator: toxic Hazard class: 3 Maximum Permissible Concentration: 0,05 Milligrams per cubed decimeter Limiting health hazard indicator: toxic Hazard class: 3	

For explanation of abbreviations see section 16.

13. DISPOSAL CONSIDERATIONS

Disposal methods	
Waste from residues :	The product should not be allowed to enter drains, water courses or the soil. Do not dispose of with domestic refuse. Dispose of as hazardous waste in compliance with local and national regulations.
Contaminated packaging :	Packaging that is not properly emptied must be disposed of as the unused product. Dispose of waste product or used containers according to local regulations.
	The following Waste Codes are only suggestions:
Waste Code :	used product, unused product 08 01 11*, waste paint and varnish containing organic solvents or other hazardous substances
	uncleaned packagings 15 01 10*, packaging containing residues of or contaminated by hazardous substances

14. TRANSPORT INFORMATION

ADR

Not regulated as a dangerous good



- RU



OKS 3600

Version	Revision Date:	Date of last issue: 22.09.2021	Print Date:
1.3	26.01.2023	Date of first issue: 01.06.2016	03.02.2023

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

Special precautions for user

Not applicable

15. REGULATORY INFORMATION

National regulatory information

Federal Law of 21.07.1997 No. 116-FZ (amended on 11.06.2021) "On industrial safety of hazardous production facilities".

Federal Law of 24.06.1998 No. 89-FZ (amended on 02.07.2021) "On production and consumption waste".

Federal Law of 30.03.1999 No. 52-FZ (amended on 02.07.2021) "On the Sanitary and Epidemiological Well-Being of the Population" (amended and supplemented, entered into force on 31.10.2021).

Federal Law of 04.05.1999 No. 96-FZ "On the protection of atmospheric air" (as amended on December 8, 2020).

Federal Law of 27.12.2002 No. 184-FZ (amended on 02.07.2021) "On Technical Regulation" (amended and supplemented, entered into force on 01.09.2021).

Federal Law of 10.01.2002 No. 7-FZ (amended on 02.07.2021) "On environmental protection". Federal Law of 22.07.2008 No. 123-FZ "Technical Regulations on Fire Safety Requirements" TECHNICAL REGULATIONS OF THE CUSTOMS UNION TR CU 030/2012 On requirements for lubricants, oils and special fluids (amended on 03.03.2017).

International Regulations

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

16. OTHER INFORMATION

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

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

GOST 12.1.004-91 System of labor safety standards (SSBT). Fire safety. General requirements.



- RU



OKS 3600

Version	Revision Date:	Date of last issue: 22.09.2021	Print Date:
1.3	26.01.2023	Date of first issue: 01.06.2016	03.02.2023

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

GOST 12.1.044-89 SSBT. Fire and explosion hazard of substances and materials. Nomenclature of indicators and methods for their determination.

GOST 12.4.021 System of labor safety standards (SSBT). Ventilation systems. General requirements.

GOST 12.4.137-2001 Special footwear with leather uppers for protection against oil, oil products, acids, alkalis, non-toxic and explosive dust. Technical conditions.

GOST 12.4.252-2013 System of labor safety standards (SSBT). Means of individual protection of hands. Gloves. General technical requirements. Test methods.

GOST 14192-96. Interstate standard. Cargo marking. Minsk, 1998.

GOST 19433-88 Dangerous goods. Classification and labeling.

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

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

chemical properties. Test methods for explosive chemical products.

GOST 32423-2013 Hazard classification of mixed chemical products by their effects on the body. GOST 32424-2013 Classification of the hazard of chemical products by their impact on the environment. Basic provisions.

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

GOST R 53264-2019 Fire fighting equipment. Special protective clothing for firefighters. General technical requirements. Test methods.

GOST R 53265-2019 Fire fighting equipment. Personal protective equipment for the feet of the firefighter. General technical requirements. Test methods.

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

GOST R 53269-2019 Fire fighting equipment. Firefighters helmets. General technical requirements. Test methods.

SanPiN 1.2.2353-08 "Carcinogenic factors and basic requirements for the prevention of carcinogenic hazard".

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

SanPiN 2.1.3684-21 "Sanitary and epidemiological requirements for the maintenance of the territories of urban and rural settlements, for water bodies, drinking water and drinking water supply, atmospheric air, soils, living quarters, the operation of industrial, public premises, the organization and implementation of sanitary and anti-epidemic (preventive) measures". SanPiN 2.2.0.555-96. 2.2. Labor hygiene. Hygienic requirements for working conditions for women. Sanitary rules and regulations.

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

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

Agreement on International Goods Transport by Rail (SMGS).

UN Recommendations on the Transport of Dangerous Goods. Typical rules. Twenty-second revised edition. United Nations, New York and Geneva, 2021. Montreal Protocol (Ozone Depleting Substances)

Stockholm Convention (Persistent Organic Pollutants)

Full text of other abbreviations



- RU



OKS 3600

Version 1.3	Revision Date: 26.01.2023		of last issue: 22.09.2021 of first issue: 01.06.2016	Print Date: 03.02.2023	
Acu	te Tox.		Acute toxicity		
Aquatic Acute			Short-term (acute) aquatic hazard		
Aquatic Chronic			Long-term (chronic) aquatic hazard		
Asp. Tox.			Aspiration hazard		
Eye Irrit.			Eye irritation		
Flam. Liq.			Flammable liquids		
	Skin Irrit. Skin irritation				
Skin	n Sens.	:	: Skin sensitisation		
RU	OEL	:	: Russia. Hygienic standards GN 2.2.5.1313-03 Permissible		
			concentration (MAC) of harmful subs working area	tances in the air of the	
RU	OEL		 SanPiN 1.2.3685-21 Table 2.1, Table 2.8, Table 2.16 & Table 2.17 Maximum permissible concentrations (MPC) in the air of the working area 		
RU OEL / MPC-STEL			Maximum Permissible Concentration	- Short Term Exposure	
RU	OEL / MPC-TWA	:	: Maximum Permissible Concentration - Time Weighted Average		
o		Maximum Permissible Concentration	- Short Term Exposure		
RU	OEL / MPC-TWA	:	Maximum Permissible Concentration Average		
List	2	:	SanPiN 1.2.3685-21 Table 1.2, Table Tentative Safe Exposure Levels (TSI rural settlements		
List	5		Order of the Russian Federal Fisheries Agency "Standards of maximum permissible concentrations of harmful substances in fishery water bodies"		

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect 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-

- RU



OKS 3600

Version	Revision Date:	Date of last issue: 22.09.2021	Print Date:
1.3	26.01.2023	Date of first issue: 01.06.2016	03.02.2023

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

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 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.

