

Trade name: Hydrostößel-Schutz

Product no.: 2306

Current version : 1.0.0, issued: 19.04.2023

Replaced version: -, issued: -

Region:
GER

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

1.1 Product identifier

Trade name

Hydrostößel-Schutz

UFI:

M9QX-P0GF-N000-GR9E

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture

Additive for mineral oil products

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

Masteroil GmbH
Stockholmer Allee 30 b
44269 Dortmund

Telephone no. 0231 444 247 64
e-mail info@masteroil.com

1.4 Emergency telephone number

No data available.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Chronic 3; H412

Eye Irrit. 2; H319

Skin Irrit. 2; H315

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms



GHS07

Signal word

Warning

Hazard statement(s)

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H412

Harmful to aquatic life with long lasting effects.

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GER**Precautionary statement(s)**

P280 Wear protective gloves/eye protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.

UFI:

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2.3 Other hazards

PBT assessment
 No data available.

vPvB assessment
 No data available.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Hazardous ingredients**

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration
			%
1	2-butoxyethanol		
	111-76-2 203-905-0 603-014-00-0 01-2119475108-36	Acute Tox. 4; H302 Acute Tox. 4; H312 Acute Tox. 4; H332 Eye Irrit. 2; H319 Skin Irrit. 2; H315	>= 10,00 - < 25,00 wt%
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic		Contains < 3 % DMSO extract (IP 346).
	64742-65-0 265-169-7 649-474-00-6 01-2119471299-27	Asp. Tox. 1; H304	>= 5,00 - < 10,00 wt%
3	Calcium branched alkyl phenate sulphide		
	- 701-251-5 - 01-2119524004-56	Aquatic Chronic 4; H413	< 5,00 wt%
4	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts		
	84605-29-8 283-392-8 - 01-2119493626-26	Aquatic Chronic 2; H411 Eye Dam. 1; H318 Skin Irrit. 2; H315	< 2,50 wt%
5	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts		
	85940-28-9 288-917-4 - 01-2119521201-61	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 2; H411	< 2,50 wt%
6	Phenol, dodecyl-, branched		

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121158-58-5 310-154-3 604-092-00-9 -	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Eye Dam. 1; H318 Repr. 1B; H360F Skin Corr. 1C; H314	< 0,10	wt%
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Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	L	-	-	-
4	-	Skin Irrit. 2; H315: C >= 6,25% Eye Irrit. 2; H319: C >= 10% Eye Dam. 1; H318: C >= 12,5%	-	-
6	-	-	M = 10	M = 10

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
1	1746 mg/kg bodyweight		

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. Take medical treatment.

After skin contact

In case of contact with skin wash off immediately with soap and water. Seek medical attention.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

After ingestion

Do not induce vomiting - aspiration hazard. Rinse the mouth thoroughly with water. Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious, place in recovery position (on left side, with head down). Call a doctor immediately and show label or packaging.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet; Foam; Carbon dioxide; Extinguishing powder

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon dioxide (CO₂); Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

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5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away from ignition sources.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Provide eye wash fountain in work area.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Recommended storage temperature

Value < 50 °C

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container. Protect from heat and direct sunlight.

Incompatible products

Do not store together with: Acids; Alkalies; oxidizing agents

Storage Class according TRGS 510

10-13 Combustible and Non-combustible liquids and solids that cannot be assigned to storage class 1-8.

7.3 Specific end use(s)

No data available.



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No	Substance name	CAS no.	EC no.		
1	2-butoxyethanol	111-76-2	203-905-0		
	2000/39/EC				
	2-Butoxyethanol				
	WEL short-term (15 min reference period)	246	mg/m ³	50	ppm
	WEL long-term (8-hr TWA reference period)	98	mg/m ³	20	ppm
	Skin resorption / sensibilisation	Skin			
	TRGS 900				
	2-Butoxyethanol				
	WEL long-term (8-hr TWA reference period)	49	mg/m ³	10	ml/m ³
	Ceiling Limit	2(l)			
	Skin resorption / sensibilisation	H			
	Notes	Y			

Biological limit values

No	Substance name	
1	2-butoxyethanol	
	TRGS 903	
	Butoxyessigsäure	
	parameter	Butoxyessigsäure (nach Hydrolyse)
	Value	150 mg/g Kreatinin
	Comments	DFG
	sample material	U
	Sampling moment	b, c

DNEL, DMEL and PNEC values**DNEL values (worker)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	2-butoxyethanol			111-76-2 203-905-0	
	inhalative	Long term (chronic)	systemic	98,00	mg/m ³
	inhalative	Short term (acut)	systemic	1091,00	mg/m ³
	inhalative	Long term (chronic)	local	246,00	mg/m ³
2	Calcium branched alkyl phenate sulphide			- 701-251-5	
	dermal	Long term (chronic)	systemic	0,5	mg/kg/day
	dermal	Short term (acut)	systemic	80	mg/kg/day
	inhalative	Long term (chronic)	systemic	3,5	mg/m ³
	inhalative	Short term (acut)	systemic	133,6	mg/m ³
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts			84605-29-8 283-392-8	
	dermal	Long term (chronic)	systemic	12,1	mg/kg/day
	inhalative	Long term (chronic)	systemic	8,31	mg/m ³
4	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts			85940-28-9 288-917-4	
	dermal	Long term (chronic)	systemic	9,60	mg/kg/day
	inhalative	Long term (chronic)	systemic	6,60	mg/m ³

DNEL value (consumer)

No	Substance name	CAS / EC no
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	Route of exposure	Exposure time	Effect	Value
1	2-butoxyethanol			111-76-2 203-905-0
	oral	Long term (chronic)	systemic	6,30 mg/kg/day
	oral	Short term (acut)	systemic	26,70 mg/kg/day
	inhalative	Long term (chronic)	systemic	59,00 mg/m ³
	inhalative	Short term (acut)	systemic	426,00 mg/m ³
	inhalative	Long term (chronic)	local	147,00 mg/m ³
2	Calcium branched alkyl phenate sulphide			- 701-251-5
	oral	Long term (chronic)	systemic	0,25 mg/kg/day
	oral	Short term (acut)	systemic	50 mg/kg/day
	dermal	Long term (chronic)	systemic	0,25 mg/kg/day
	dermal	Short term (acut)	systemic	40 mg/kg/day
	inhalative	Long term (chronic)	systemic	0,87 mg/m ³
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts			84605-29-8 283-392-8
	oral	Long term (chronic)	systemic	0,24 mg/kg/day
	dermal	Long term (chronic)	local	6,1 mg/kg/day
	inhalative	Long term (chronic)	systemic	2,11 mg/m ³
4	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts			85940-28-9 288-917-4
	oral	Long term (chronic)	systemic	0,19 mg/kg/day
	dermal	Long term (chronic)	systemic	4,80 mg/kg/day
	inhalative	Long term (chronic)	systemic	1,67 mg/m ³

PNEC values

No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	2-butoxyethanol		111-76-2 203-905-0
	water	fresh water	8,80 mg/L
	water	marine water	0,88 mg/L
	water	fresh water sediment	34,60 mg/kg
	with reference to: dry weight		
	water	marine water sediment	3,46 mg/kg
	water	Aqua intermittent	26,4 mg/L
	soil	-	2,33 mg/kg dry weight
	sewage treatment plant	-	463,00 mg/L
	secondary poisoning	-	0,02 mg/kg food
	2	Calcium branched alkyl phenate sulphide	
water		fresh water	0,5 mg/L
water		marine water	0,04 mg/L
water		fresh water sediment	43500 mg/kg dry weight
water		marine water sediment	3480 mg/kg dry weight
soil		-	8850 mg/kg dry weight
sewage treatment plant		-	100 mg/L
secondary poisoning		-	13333 mg/kg food
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts		84605-29-8 283-392-8
	water	fresh water	4,00 µg/L
	water	marine water	4,60 µg/L



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	water	Aqua intermittent	45,00	µg/L
	soil	-	0,0548	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	100,00	mg/L
4	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts		85940-28-9	288-917-4
	water	fresh water	0,002	mg/L
	water	marine water	0,00	mg/L
	water	Aqua intermittent	0,02	mg/L
	water	fresh water sediment	19,30	mg/kg
	with reference to: dry weight			
	water	marine water sediment	1,93	mg/kg
	with reference to: dry weight			
	soil	-	15,70	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	100,00	mg/L

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. combination filter

Respirator EN14387-A

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material

In case of short-term contact / splash protection: PVC

Material thickness 0,8 mm

Breakthrough time 4 h

Other

Normal chemical work clothing.

Appropriate Material cotton

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation
liquid
Form
liquid
Colour
Various, depending on coloration



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Odour			
No data available			
pH value			
No data available			
Boiling point / boiling range			
Value	>	160	°C
Melting point/freezing point			
No data available			
Decomposition temperature			
No data available			
Flash point			
Value	>	61	°C
Ignition temperature			
No data available			
Flammability			
No data available			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
No data available			
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
No data available			
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
	log Pow		0,81
	Reference temperature		20 °C
	Method	calculated	
	Source	ECHA	
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
	log Pow	>	3
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
	log Pow		0,56
	Reference temperature		22 °C
	Method	OECD 107	
	Source	ECHA	
4	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	85940-28-9	288-917-4
	log Pow		8,87

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Reference temperature	20	°C
Method	OECD 117	
Source	ECHA	

Kinematic viscosity		
Value	<	20,5 mm ² /s
Reference temperature	40	°C
Type	kinematic	

Particle characteristics		
No data available		

9.2 Other information

Other information		
No data available.		

SECTION 10: Stability and reactivity**10.1 Reactivity**

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	Hydrostößel-Schutz
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
LD50		1746	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
LD50		5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		



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Source	ECHA		
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
LD50		3150	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
4	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	85940-28-9	288-917-4
LD50		3080	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

Acute dermal toxicity (result of the ATE calculation for the mixture)

No	Product Name		
1	Hydrostößel-Schutz		
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE dermal > 2000 mg/kg).		

Acute dermal toxicity

No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
LD50		> 5000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
2	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
LD50		> 2002	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		
3	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	85940-28-9	288-917-4
LD50		> 20000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		

Acute inhalational toxicity (result of the ATE calculation for the mixture)

No	Product Name		
1	Hydrostößel-Schutz		
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists)).		

Acute inhalational toxicity

No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
LC50		> 5,53	mg/l
Duration of exposure		4	h

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State of aggregation	Dust/mist
Species	rat
Method	OECD 403
Source	ECHA
2	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts
LC50	> 2,3 mg/l
Duration of exposure	4 h
State of aggregation	Dust/mist
Species	rat
Method	OECD 403
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
Duration of exposure		4	h
Species	rabbit		
Method	EU B.4		
Source	ECHA		
Evaluation	irritant		
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
Duration of exposure		24	h
Species	rabbit		
Source	ECHA		
Evaluation	non-irritant		
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	irritant		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
Duration of exposure		24	h
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	Irritating to eyes		
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
Duration of exposure		72	h
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
Duration of exposure		21	day(s)
Species	rabbit		
Method	16 CFR 1500.42		
Source	ECHA		
Evaluation	strongly irritant		

Respiratory or skin sensitisation			
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No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
Route of exposure		Skin	
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		

No	Substance name	CAS no.	EC no.
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
Route of exposure		Skin	
Duration of exposure	3	week/s	
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		

Germ cell mutagenicity

No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
Duration of exposure	72	h	
Type of examination	Micronucleus test		
Species	mouse		
Method	OECD 474		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity

No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
Route of exposure	oral		
Duration of exposure	>=	1000	mg/kg bw/d
		30	day(s)
Species	rat		
Method	OECD 421		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Carcinogenicity

No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
Species	rat		
Method	OECD 451		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
Route of exposure	dermal		
Duration of exposure	78	week/s	
Species	mouse		
Method	OECD 451		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

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STOT - single exposure			
No data available			

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
Route of exposure		dermal	
NOAEL		appr.	1000 mg/kg bw/d
Duration of exposure		4	week/s
Species		rabbit	
Method		OECD 410	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Aspiration hazard			
No data available			

11.2 Information on other hazards**Endocrine disrupting properties**

No data available.

Other information

No data available.

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
LC50		>	1474 mg/l
Duration of exposure		96	h
Species		Oncorhynchus mykiss	
Method		OECD 203	
Source		ECHA	
2	Calcium branched alkyl phenate sulphide	-	701-251-5
LC50		>	1000 mg/l
Duration of exposure		96	h
Species		Fathead minnow	
Source		supplier	
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
LL50		4,5	mg/l
Duration of exposure		96	h
Species		Oncorhynchus mykiss	
Method		OECD 203	
Source		ECHA	
4	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	85940-28-9	288-917-4
LL50		4,5	mg/l
Duration of exposure		96	h
Species		Oncorhynchus mykiss	
Method		OECD 203	
Source		ECHA	
Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0

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NOEC	>	100	mg/l
Duration of exposure		21	day(s)
Species	Danio rerio		
Method	OECD 204		
Source	ECHA		

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
EC50		690	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	Calcium branched alkyl phenate sulphide	-	701-251-5
EC50	>	1000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	supplier		
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
EL50		23	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
4	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	85940-28-9	288-917-4
EC50		5,4	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
NOEC		100	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		
2	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
NOEC		0,4	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		
3	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	85940-28-9	288-917-4
NOEC		0,4	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.

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1	2-butoxyethanol	111-76-2	203-905-0
EC50		623	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
2	Calcium branched alkyl phenate sulphide	-	701-251-5
EC50	>	1000	mg/l
Duration of exposure		96	h
Species	Selenastrum capricornutum		
Source	supplier		
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
EL50		21	mg/l
Duration of exposure		72	h
Species	Desmodemus subspicatus		
Method	OECD 201		
Source	ECHA		
4	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	85940-28-9	288-917-4
ErC50		2,1	mg/l
Duration of exposure		72	h
Species	Selenastrum capricornutum		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No	Substance name	CAS no.	EC no.
1	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
EC50	>	10000	mg/l
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
Type	aerobic biodegradation		
Value		90,4	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	readily biodegradable		
2	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
Type	aerobic biodegradation		
Value		1,5	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	not readily biodegradable		
3	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	85940-28-9	288-917-4

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Type	aerobic biodegradation		
Value	1,5	%	
Duration	28	day(s)	
Method	OECD 301 B		
Source	ECHA		
Evaluation	not readily biodegradable		

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	2-butoxyethanol	111-76-2	203-905-0
	log Pow	0,81	
	Reference temperature	20	°C
	Method	calculated	
	Source	ECHA	
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
	log Pow	> 3	
3	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	283-392-8
	log Pow	0,56	
	Reference temperature	22	°C
	Method	OECD 107	
	Source	ECHA	
4	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	85940-28-9	288-917-4
	log Pow	8,87	
	Reference temperature	20	°C
	Method	OECD 117	
	Source	ECHA	

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	No data available.
vPvB assessment	No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

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The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	2-butoxyethanol	111-76-2	203-905-0	75
2	Phenol, dodecyl-, branched	121158-58-5	310-154-3	75

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

National regulations**Water Hazard Class (Germany)**

Class

2

Source

Classification according to AwSV (Regulation on facilities for handling substances that are hazardous to water).

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

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SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H360F	May damage fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

L	The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.
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Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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