

**Trade name:** Masteroil Motorversiegelung Nano-Tec

**Product no.:** 2156

**Current version :** 2.0.1, issued: 26.04.2024

**Replaced version:** 2.0.0, issued: 26.04.2024

**Region:** IE

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

### 1.1 Product identifier

**Trade name**

**Masteroil Motorversiegelung Nano-Tec**

**UFI:**

**N7RW-H0WH-E00R-Y3JD**

### 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

**Advice on Safety Data Sheet**

sdb\_info@umco.de

### 1.4 Emergency telephone number

+353 1 809 2166 (National Poisons Information Centre)

## 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

**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**

-

**Signal word**

-

**Hazard statement(s)**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statement(s)**

P273 Avoid release to the environment.

P501 Dispose of contents/container to a facility in accordance with local and national regulations.

**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	<b>Distillates (petroleum), hydrotreated light paraffinic</b>		<b>Contains &lt; 3 % DMSO extract (IP 346). pls. refer to footnote (1)</b>
	64742-55-8 265-158-7 649-468-00-3 01-2119487077-29	Asp. Tox. 1; H304	>= 5,00 - < 10,00 wt%
2	<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic</b>		<b>Contains &lt; 3 % DMSO extract (IP 346).</b>
	64742-65-0 265-169-7 649-474-00-6 01-2119471299-27	Asp. Tox. 1; H304	< 5,00 wt%
3	<b>Calcium branched alkyl phenate sulphide</b>		
	- 701-251-5 - 01-2119524004-56	Aquatic Chronic 4; H413	< 5,00 wt%
4	<b>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts</b>		
	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	<b>Phenol, dodecyl-, branched</b>		
	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%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(1) Aberrant from/in addition to the classification set out in Annex VI, this substance is classified according to European Regulation (EC) No 1272/2008 (CLP), Article 4 (3), paragraph 2.

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

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5	-	-	M = 10	M = 10
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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)".

## 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 (CO<sub>2</sub>); Carbon dioxide (CO<sub>2</sub>); 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.

### 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.

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**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

**7.3 Specific end use(s)**

No data available.

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

**8.1 Control parameters**

**DNEL, DMEL and PNEC values**

**DNEL values (worker)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Distillates (petroleum), hydrotreated light paraffinic			64742-55-8 265-158-7	
	inhalative	Long term (chronic)	local	5,58	mg/m <sup>3</sup>
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic			64742-65-0 265-169-7	
	dermal	Long term (chronic)	systemic	0,97	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	2,73	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	5,58	mg/m <sup>3</sup>
3	Calcium branched alkyl phenate sulphide			- 701-251-5	
	dermal	Long term (chronic)	systemic	0,5	mg/kg/day

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	dermal	Short term (acut)	systemic	80	mg/kg/day
	inhalative	Long term (chronic)	systemic	3,5	mg/m <sup>3</sup>
	inhalative	Short term (acut)	systemic	133,6	mg/m <sup>3</sup>
4	<b>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts</b>			<b>84605-29-8 283-392-8</b>	
	dermal	Long term (chronic)	systemic	12,1	mg/kg/day
	inhalative	Long term (chronic)	systemic	8,31	mg/m <sup>3</sup>

**DNEL value (consumer)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	<b>Distillates (petroleum), hydrotreated light paraffinic</b>			<b>64742-55-8 265-158-7</b>	
	oral	Long term (chronic)	systemic	0,74	mg/kg/day
	inhalative	Long term (chronic)	local	1,19	mg/m <sup>3</sup>
2	<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic</b>			<b>64742-65-0 265-169-7</b>	
	oral	Long term (chronic)	systemic	0,74	mg/kg bw/day
	inhalative	Long term (chronic)	local	1,19	mg/m <sup>3</sup>
3	<b>Calcium branched alkyl phenate sulphide</b>			<b>- 701-251-5</b>	
	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 <sup>3</sup>
	inhalative	Short term (acut)	systemic	0,067	mg/m <sup>3</sup>
4	<b>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts</b>			<b>84605-29-8 283-392-8</b>	
	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 <sup>3</sup>

**PNEC values**

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	<b>Distillates (petroleum), hydrotreated light paraffinic</b>		<b>64742-55-8 265-158-7</b>	
	secondary poisoning	-	9,33	mg/kg food
2	<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic</b>		<b>64742-65-0 265-169-7</b>	
	secondary poisoning	-	9,33	mg/kg food
3	<b>Calcium branched alkyl phenate sulphide</b>		<b>- 701-251-5</b>	
	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
4	<b>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts</b>		<b>84605-29-8 283-392-8</b>	
	water	fresh water	4,00	µg/L
	water	marine water	4,60	µg/L
	water	Aqua intermittent	45,00	µg/L

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soil	-	0,0548	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

<b>State of aggregation</b>	
liquid	
<b>Form</b>	
liquid	
<b>Colour</b>	
Various, depending on coloration	
<b>Odour</b>	
No data available	
<b>pH value</b>	
No data available	
<b>Boiling point / boiling range</b>	
Value	> 160 °C
<b>Melting point/freezing point</b>	
No data available	
<b>Decomposition temperature</b>	
No data available	
<b>Flash point</b>	

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Value	>	61	°C
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<b>Ignition temperature</b>
No data available

<b>Flammability</b>
No data available

<b>Lower explosion limit</b>
No data available

<b>Upper explosion limit</b>
No data available

<b>Vapour pressure</b>
No data available

<b>Relative vapour density</b>
No data available

<b>Relative density</b>
No data available

<b>Density</b>
No data available

<b>Solubility</b>
No data available

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
log Pow		>	3
2	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	

<b>Kinematic viscosity</b>			
Value	508,96 mm <sup>2</sup> /s		
Reference temperature	40 °C		
Type	kinematic		

<b>Particle characteristics</b>
No data available

## 9.2 Other information

<b>Other information</b>
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.

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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**

<b>Acute oral toxicity</b>			
No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA / Read across		
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
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		

<b>Acute dermal toxicity</b>			
No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA / Read across		
2	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
LD50	>	5000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
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	>	2002	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		

<b>Acute inhalational toxicity</b>			
No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
LC50	>	5,53	mg/l
Duration of exposure		4	h
State of aggregation	mist		
Species	rat		



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Method	OECD 403
Source	ECHA / Read across
<b>2</b>	<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic</b> <b>64742-65-0</b> <b>265-169-7</b>
LC50	> 5,53 mg/l
Duration of exposure	4 h
State of aggregation	Dust/mist
Species	rat
Method	OECD 403
Source	ECHA

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>Distillates (petroleum), hydrotreated light paraffinic</b>	<b>64742-55-8</b>	<b>265-158-7</b>
Species	rabbit		
Method	OECD 406		
Source	ECHA / Read across		
Evaluation	non-irritant		
<b>2</b>	<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic</b>	<b>64742-65-0</b>	<b>265-169-7</b>
Duration of exposure	24 h		
Species	rabbit		
Source	ECHA		
Evaluation	non-irritant		
<b>3</b>	<b>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts</b>	<b>84605-29-8</b>	<b>283-392-8</b>
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	irritant		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>Distillates (petroleum), hydrotreated light paraffinic</b>	<b>64742-55-8</b>	<b>265-158-7</b>
Species	rabbit		
Method	OECD 405		
Source	ECHA / Read across		
Evaluation	non-irritant		
<b>2</b>	<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic</b>	<b>64742-65-0</b>	<b>265-169-7</b>
Duration of exposure	72 h		
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
<b>3</b>	<b>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts</b>	<b>84605-29-8</b>	<b>283-392-8</b>
Duration of exposure	21 day(s)		
Species	rabbit		
Method	16 CFR 1500.42		
Source	ECHA		
Evaluation	strongly irritant		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>Distillates (petroleum), hydrotreated light paraffinic</b>	<b>64742-55-8</b>	<b>265-158-7</b>
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA / Read across		



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Evaluation	non-sensitizing		
<b>2</b>	<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic</b>	<b>64742-65-0</b>	<b>265-169-7</b>
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.
<b>1</b>	<b>Distillates (petroleum), hydrotreated light paraffinic</b>	<b>64742-55-8</b>	<b>265-158-7</b>
Source	ECHA / Read across		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>2</b>	<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic</b>	<b>64742-65-0</b>	<b>265-169-7</b>
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.
<b>1</b>	<b>Distillates (petroleum), hydrotreated light paraffinic</b>	<b>64742-55-8</b>	<b>265-158-7</b>
Route of exposure	oral		
Type of examination	Toxicity study		
Species	rat		
Method	OECD 421		
Source	ECHA / Read across		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>2</b>	<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic</b>	<b>64742-65-0</b>	<b>265-169-7</b>
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.
<b>1</b>	<b>Distillates (petroleum), hydrotreated light paraffinic</b>	<b>64742-55-8</b>	<b>265-158-7</b>
Route of exposure	dermal		
Type of examination	Toxicity study		
Species	mouse		
Method	OECD 451		
Source	ECHA / Read across		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>2</b>	<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic</b>	<b>64742-65-0</b>	<b>265-169-7</b>
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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<b>STOT - single exposure</b>			
No data available			
<b>STOT - repeated exposure</b>			
No	Substance name	CAS no.	EC no.
1	<b>Distillates (petroleum), hydrotreated light paraffinic</b>	<b>64742-55-8</b>	<b>265-158-7</b>
Route of exposure		oral	
Species		rat	
Method		OECD 408	
Source		ECHA / Read across	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		dermal	
Species		rabbit	
Method		OECD 410	
Source		ECHA / Read across	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		inhalational	
Species		rat	
Method		OECD 412	
Source		ECHA / Read across	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic</b>	<b>64742-65-0</b>	<b>265-169-7</b>
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.	
<b>Aspiration hazard</b>			
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**

<b>Toxicity to fish (acute)</b>			
No	Substance name	CAS no.	EC no.
1	<b>Distillates (petroleum), hydrotreated light paraffinic</b>	<b>64742-55-8</b>	<b>265-158-7</b>
LC50		>	100 mg/l
Duration of exposure		96	h
Species		Pimephales promelas	
Method		OECD 203	
Source		ECHA	
2	<b>Calcium branched alkyl phenate sulphide</b>	-	<b>701-251-5</b>
LC50		>	1000 mg/l
Duration of exposure		96	h
Species		Fathead minnow	
Source		supplier	
3	<b>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts</b>	<b>84605-29-8</b>	<b>283-392-8</b>

**Trade name:** Masteroil Motorversiegelung Nano-Tec**Product no.:** 2156**Current version :** 2.0.1, issued: 26.04.2024**Replaced version:** 2.0.0, issued: 26.04.2024**Region:** IE

LL50	4,5	mg/l
Duration of exposure	96	h
Species	Oncorhynchus mykiss	
Method	OECD 203	
Source	ECHA	

**Toxicity to fish (chronic)**

No data available

**Toxicity to Daphnia (acute)**

No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
EC50	>	10000	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		

**Toxicity to Daphnia (chronic)**

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
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.
1	Calcium branched alkyl phenate sulphide	-	701-251-5
EC50	>	1000	mg/l
Duration of exposure		96	h
Species	Selenastrum capricornutum		
Source	supplier		
2	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	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

**Toxicity to algae (chronic)**

No data available

**Bacteria toxicity**

No	Substance name	CAS no.	EC no.
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**Trade name:** Masteroil Motorversiegelung Nano-Tec**Product no.:** 2156**Current version :** 2.0.1, issued: 26.04.2024**Replaced version:** 2.0.0, issued: 26.04.2024**Region:** IE

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	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		

**12.3 Bioaccumulative potential**

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
log Pow	>	3	
2	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		

**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**

**Trade name:** Masteroil Motorversiegelung Nano-Tec**Product no.:** 2156**Current version :** 2.0.1, issued: 26.04.2024**Replaced version:** 2.0.0, issued: 26.04.2024**Region:** IE

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.

## SECTION 14: Transport information

### 14.1 UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

### 14.2 UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

### 14.3 Transport hazard class(es)

Not classified as dangerous in the meaning of transport regulations.

### 14.4 Packing group

Not classified as dangerous in the meaning of transport regulations.

### 14.5 Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

### 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	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7	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.

### 15.2 Chemical safety assessment

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

## 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.

**Trade name:** Masteroil Motorversiegelung Nano-Tec

**Product no.:** 2156

**Current version :** 2.0.1, issued: 26.04.2024

**Replaced version:** 2.0.0, issued: 26.04.2024

**Region:** IE

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)**

H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
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.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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