

Page 1 of 15 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 24.03.2023 / 0016 Replacing version dated / version: 12.05.2022 / 0015 Valid from: 24.03.2023 PDF print date: 07.05.2024 Vollsynthetisches Hypoid Getriebeoel Truck (GL4/5) 75W-90

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

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Vollsynthetisches Hypoid Getriebeoel Truck (GL4/5) 75W-90

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

Gear lubricant Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

LIQUI MOLY GmbH Jerg-Wieland-Str. 4 89081 Ulm-Lehr Tel.: (+49) 0731-1420-0 Fax: (+49) 0731-1420-88

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number Emergency information services / official advisory body:

Landspitali- The National University Hospital of Iceland, tel. +354 543 2222 or 112 (valid only for Iceland) **Telephone number of the company in case of emergencies:** +49 (0) 700 / 24 112 112 (LMR) +1 872 5888271 (LMR)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) 1272/2008 (CLP)

The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

2.2 Label elements Labeling according to Regulation (EC) 1272/2008 (CLP)

EUH208-Contains Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched). May produce an allergic reaction. EUH210-Safety data sheet available on request.

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0.1 %).



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The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

SECTION 3: Composition/information on ingredients

3.1 Substances

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^{n.a.} 3.2 Mixtures	
1-decene, trimers, hydrogenated	
Registration number (REACH)	01-2119493949-12-XXXX
Index	
EINECS, ELINCS, NLP, REACH-IT List-No.	500-393-3
CAS	157707-86-3
content %	40-60
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Asp. Tox. 1, H304
(),	
1-Decene, homopolymer, hydrogenated	
Registration number (REACH)	01-2119486452-34-XXXX
Index	
EINECS, ELINCS, NLP, REACH-IT List-No.	500-183-1
CAS	68037-01-4
content %	40-60
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Asp. Tox. 1, H304
Baseoil - unspecified *	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP, REACH-IT List-No.	
content %	1-6
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Asp. Tox. 1, H304
Polysulfides, di-tert-Bu	
Polysulfides, di-tert-Bu Registration number (REACH)	01-2119540515-43-XXXX
Registration number (REACH) Index	01-2119540515-43-XXXX
Registration number (REACH)	
Registration number (REACH) Index	
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content %	273-103-3
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS	 273-103-3 68937-96-2
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	 273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content %	 273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE	 273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid	 273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl	 273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched)	 273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 Skin Sens. 1B, H317: >=46 %
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) Registration number (REACH)	 273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) Registration number (REACH) Index	 273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 Skin Sens. 1B, H317: >=46 % 01-2119493620-38-XXXX
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No.	 273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 Skin Sens. 1B, H317: >=46 % 01-2119493620-38-XXXX 931-384-6
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) Registration number (REACH) Index	 273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 Skin Sens. 1B, H317: >=46 % 01-2119493620-38-XXXX
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content %	 273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 Skin Sens. 1B, H317: >=46 % 01-2119493620-38-XXXX 931-384-6 1-<2,5
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS	273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 Skin Sens. 1B, H317: >=46 % 01-2119493620-38-XXXX 931-384-6 1-<2,5 Acute Tox. 4, H302
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content %	273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 Skin Sens. 1B, H317: >=46 % 01-2119493620-38-XXXX 931-384-6 1-<2,5 Acute Tox. 4, H302 Eye Irrit. 2, H319
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content %	273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 Skin Sens. 1B, H317: >=46 % 01-2119493620-38-XXXX 931-384-6 1-<2,5 Acute Tox. 4, H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	 273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 Skin Sens. 1B, H317: >=46 % 01-2119493620-38-XXXX 931-384-6 1-<2,5 Acute Tox. 4, H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content %	273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 Skin Sens. 1B, H317: >=46 % 01-2119493620-38-XXXX 931-384-6 1-<2,5 Acute Tox. 4, H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411 Eye Irrit. 2, H319: >50 %
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 Skin Sens. 1B, H317: >=46 % 01-2119493620-38-XXXX 931-384-6 1-<2,5 Acute Tox. 4, H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411 Eye Irrit. 2, H319: >50 % Skin Sens. 1B, H317: >=9,39 %
Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Specific Concentration Limits and ATE Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) Registration number (REACH) Index EINECS, ELINCS, NLP, REACH-IT List-No. CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	273-103-3 68937-96-2 1-5 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 Skin Sens. 1B, H317: >=46 % 01-2119493620-38-XXXX 931-384-6 1-<2,5 Acute Tox. 4, H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411 Eye Irrit. 2, H319: >50 %

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

* The contained mineral oil can be described by one or more of the following numbers:



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EINECS, ELINCS, NLP, REACH- Registration number (REACH)		Chemical name			
IT List-No.					
265-157-1	01-2119484627-25-XXXX	Distillates (petroleum), hydrotreated heavy paraffinic			
265-169-7	01-2119471299-27-XXXX	Distillates (petroleum), solvent-dewaxed heavy paraffinic			
265-158-7	01-2119487077-29-XXXX	Distillates (petroleum), hydrotreated light paraffinic			
265-159-2	01-2119480132-48-XXXX	Distillates (petroleum), solvent-dewaxed light paraffinic			

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

The addition of the highest concentrations listed here can result in a classification. Only when this classification is listed in Section 2 does it apply. In all other cases the total concentration is below the classification.

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

Inhalation

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Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

Rinse the mouth thoroughly with water. Do not induce vomiting. Consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1. The following may occur: Irritation of the eyes

Drying of the skin. Dermatitis (skin inflammation) Irritation of the skin. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

4.3 Indication of any immediate medical attention and special treatment needed

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SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
CO2
Foam
Dry extinguisher
Water jet spray
Unsuitable extinguishing media
High volume water jet
5.2 Special hazards arising from the substance or mixture
In case of fire the following can develop:
Oxides of carbon
Oxides of sulphur
Flammable vapour/air mixtures
5.3 Advice for firefighters

For personal protective equipment see Section 8.



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In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire Full protection, if necessary. Cool container at risk with water. Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination. Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

Ensure sufficient supply of air.

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Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent from entering drainage system.

Prevent surface and ground-water infiltration, as well as ground penetration.

If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13. Oil binder

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Avoid formation of oil mist.

Ensure good ventilation.

Do not heat to temperatures close to flash point.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Avoid long lasting or intensive contact with skin.

Do not carry cleaning cloths soaked in product in trouser pockets.

Observe directions on label and instructions for use.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Not to be stored in gangways or stair wells.

Store product closed and only in original packing. Protect against moisture and store closed.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection



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8.1 Control parameters

Image: Observation Chemical Name Oil mist, mineral			
WEL-TWA: 5 mg/m3 (Mineral oil, excluding metal	WEL-STEL:		
working fluids, ACGIH)			
Monitoring procedures: -	Draeger - Oil Mist 1/a (67 33 031)		
BMGV:		Other information:	

Baseoil - unspecified						
Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	Note
	Environmental					
	compartment					
	Environment - oral (animal		PNEC	9,33	mg/kg	
	feed)					
Consumer	Human - inhalation	Long term, local effects	DNEL	1,19	mg/m3	
Consumer	Human - oral	Long term, systemic	DNEL	0,74	mg/kg	
		effects				
Workers / employees	Human - dermal	Long term, systemic	DNEL	0,97	mg/kg	
		effects				
Workers / employees	Human - inhalation	Long term, local effects	DNEL	5,58	mg/m3	
Workers / employees	Human - inhalation	Long term, systemic	DNEL	2,73	mg/m3	
		effects			_	

Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	Note
	Environmental					
	compartment					
	Environment - freshwater		PNEC	0,24	µg/l	
	Environment - marine		PNEC	0,024	µg/l	
	Environment - sediment,		PNEC	0,94	mg/kg	
	freshwater					
	Environment - marine		PNEC	0,094	mg/kg	
	Environment - soil		PNEC	0,0181	mg/kg	
	Environment - sewage		PNEC	4,51	mg/l	
	treatment plant					
	Environment - oral (animal		PNEC	6,66	mg/kg	
	feed)					
Consumer	Human - oral	Long term, systemic	DNEL	0,167	mg/kg	
		effects				
Consumer	Human - dermal	Long term, systemic	DNEL	1,67	mg/kg	
		effects				
Consumer	Human - inhalation	Long term, systemic	DNEL	0,58	mg/kg	
		effects				
Workers / employees	Human - inhalation	Long term, systemic	DNEL	3,29	mg/m3	
		effects				
Workers / employees	Human - dermal	Long term, systemic	DNEL	4,67	mg/kg	
		effects				

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,001	mg/l	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	2,2	mg/m3	
Consumer	Human - dermal	Long term, systemic effects	DNEL	6,25	mg/kg bw/day	



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Consumer	Human - oral	Long term, systemic effects	DNEL	0,25	mg/kg bw/day
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	12,5	mg/kg bw/day
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	8,56	mg/m3

Inited Kingdom | WEL-TWA = Workplace Exposure Limit - Long-term exposure limit - 8-hour TWA (= time weighted average) reference period (EH40/2005 Workplace exposure limits (Fourth Edition 2020)).

(EU) = Directive 91/322/EEC, 98/24/EC, 2000/39/EC, 2004/37/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU or 2019/1831/EU: (8) = Inhalable fraction (2004/37/CE, 2017/164/EU). (9) = Respirable fraction (2004/37/CE, 2017/164/EU). (11) = Inhalable fraction (2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (2004/37/CE). | | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit - 15-minute reference period (EH40/2005 Workplace exposure limits (Fourth Edition 2020)).

(EU) = Directive 91/322/EEC, 98/24/EC, 2000/39/EC, 2004/37/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU or 2019/1831/EU:

(8) = Inhalable fraction (2004/37/EC, 2017/164/EU). (9) = Respirable fraction (2004/37/EC, 2017/164/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). |

| BMGV = Biological monitoring guidance value (EH40/2005 Workplace exposure limits (Fourth Edition 2020)).

(EU) = Directive 98/24/EC or 2004/37/EC or SCOEL (Biological Limit Value - BLV, Recommendation from the Scientific Committee on Occupational Exposure Limits (SCOEL)) |

| Other information (EH40/2005 Workplace exposure limits (Fourth Edition 2020)): Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

(EU) = Directive 91/322/EEC, 98/24/EC, 2000/39/EC, 2004/37/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU or 2019/1831/EU:

(13) = The substance can cause sensitisation of the skin and of the respiratory tract (2004/37/CE), (14) = The substance can cause sensitisation of the skin (2004/37/CE).

8.2 Exposure controls

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8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

These are specified by e.g. EN 14042.

EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection: Chemical resistant protective gloves (EN ISO 374). If applicable Protective nitrile gloves (EN ISO 374). Permeation time (penetration time) in minutes: n.d.a. Protective hand cream recommended.

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection: If OES or MEL is exceeded. Filter A2 P2 (EN 14387), code colour brown, white



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Observe wearing time limitations for respiratory protection equipment.

Thermal hazards: Not applicable

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Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Yellow
Odour:	Characteristic
Melting point/freezing point:	There is no information available on this parameter.
Boiling point or initial boiling point and boiling range:	There is no information available on this parameter.
Flammability:	Flammable
Lower explosion limit:	There is no information available on this parameter.
Upper explosion limit:	There is no information available on this parameter.
Flash point:	210 °C
Auto-ignition temperature:	There is no information available on this parameter.
Decomposition temperature:	There is no information available on this parameter.
pH:	Mixture is non-soluble (in water).
Kinematic viscosity:	106 mm2/s (40°C)
Kinematic viscosity:	15,6 mm2/s (100°C)
Solubility:	Insoluble
Partition coefficient n-octanol/water (log value):	Does not apply to mixtures.
Vapour pressure:	There is no information available on this parameter.
Density and/or relative density:	0,87 g/ml
Relative vapour density:	There is no information available on this parameter.
Particle characteristics:	Does not apply to liquids.
9.2 Other information	
Explosives:	Product is not explosive.
Oxidising liquids:	No

SECTION 10: Stability and reactivity

10.1 Reactivity

The product has not been tested. **10.2 Chemical stability** Stable with proper storage and handling. **10.3 Possibility of hazardous reactions** No dangerous reactions are known. **10.4 Conditions to avoid** See also section 7. Heating, open flame, ignition sources **10.5 Incompatible materials** See also section 7. Avoid contact with strong oxidizing agents. **10.6 Hazardous decomposition products** See also section 5.2



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No decomposition when used as directed.

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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Possibly more information on health effects, see Section 2.1 (classification).

Vollsynthetisches Hypoid Getriebeoel Truck (GL4/5) 75W-90						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	ATE	>2000	mg/kg			calculated value
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin						n.d.a.
sensitisation:						
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity -						n.d.a.
single exposure (STOT-SE):						
Specific target organ toxicity -						n.d.a.
repeated exposure (STOT-RE):						
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

1-decene, trimers, hydrogenated Endpoint Unit Toxicity / effect Value Organism Test method Notes Acute toxicity, by oral route: LD50 >5000 mg/kg Rat OECD 401 (Acute Oral Toxicity) Acute toxicity, by dermal route: LD50 >2000 mg/kg Rat OECD 402 (Acute Dermal Toxicity) LC50 mg/l/4h OECD 403 (Acute Acute toxicity, by inhalation: >5,2 Rat Aerosol Inhalation Toxicity) Skin corrosion/irritation: Rabbit Not irritant OECD 404 (Acute Dermal Irritation/Corrosion) Serious eye damage/irritation: Rabbit OECD 405 (Acute Eye Not irritant Irritation/Corrosion) Guinea pig Not sensitizising Respiratory or skin OECD 406 (Skin sensitisation: Sensitisation) Aspiration hazard: Asp. Tox. 1

1-Decene, homopolymer, hydrogenated								
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes		
Aspiration hazard:						Asp. Tox. 1		

Baseoil - unspecified						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Respiratory or skin						Not sensitizising,
sensitisation:						Analogous
						conclusion
Aspiration hazard:						Yes
Symptoms:						mucous
						membrane
						irritation

Polysulfides, di-tert-Bu						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Respiratory or skin				Guinea pig	OECD 406 (Skin	Skin Sens. 1B
sensitisation:					Sensitisation)	
	•					

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14alkyl (branched)



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Vollsynthetisches Hypoid Getrieb	eoel Truck (G	L4/5) 75W-90				
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	2000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	Analogous conclusion
Acute toxicity, by oral route:	LD50	> 3000	mg/kg	Rat	OECD 420 (Acute Oral toxicity - Fixe Dose Procedure)	
Acute toxicity, by oral route:	ATE	2000	mg/kg			
Acute toxicity, by dermal route:	LD50	5000	mg/kg	Rabbit	OECD 434 (Acute Dermal Toxicity – Fixed Dose Procedure)	
Acute toxicity, by inhalation:	LD50	> 22	mg/l/1h	Rat		VapoursOECD 433
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Corrosive
Serious eye damage/irritation:		>=50	%	Rabbit		Eye Dam. 1, Classification based on toxicological analyses.
Serious eye damage/irritation:		<50	%	Rabbit		Not irritant, Classification based on toxicological analyses.
Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph Node Assay)	Yes (skin contact), Analogous conclusion
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Negative, Analogous conclusion
Germ cell mutagenicity:				Mouse	OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative, Analogous conclusion
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	150	mg/kg bw/d	Rat	OECD 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)	

11.2. Information on other hazards

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Vollsynthetisches Hypoid Getriebeoel Truck (GL4/5) 75W-90							
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes	
Endocrine disrupting properties:						Does not apply	
						to mixtures.	
Other information:						No other	
						relevant	
						information	
						available on	
						adverse effects	
						on health.	

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

Vollsynthetisches Hypoid Getriebeoel Truck (GL4/5) 75W-90							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:							n.d.a.
12.1. Toxicity to daphnia:							n.d.a.
12.1. Toxicity to algae:							n.d.a.
		•	•				



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Vollsynthetisches Hypoid		ck (GL4/5) 7	5W-90				
12.2. Persistence and							n.d.a.
degradability:							manar
12.3. Bioaccumulative							n.d.a.
potential:							india.
12.4. Mobility in soil:							n.d.a.
12.5. Results of PBT							n.d.a.
and vPvB assessment							n.a.a.
12.6. Endocrine							Does not apply
disrupting properties:							to mixtures.
12.7. Other adverse							No information
effects:							available on
							other adverse
							effects on the
							environment
							environment.
1-decene, trimers, hydro							environment.
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	environment.
Toxicity / effect		Time 96h	Value >1000	Unit mg/l	Oncorhynchus	OECD 203 (Fish,	
Toxicity / effect	Endpoint	-			Organism Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity	
1-decene, trimers, hydro Toxicity / effect 12.1. Toxicity to fish:	Endpoint LC50	96h	>1000	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
Toxicity / effect 12.1. Toxicity to fish:	Endpoint	-			Oncorhynchus	OECD 203 (Fish, Acute Toxicity Test) OECD 211	
Toxicity / effect 12.1. Toxicity to fish:	Endpoint LC50	96h	>1000	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna	
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia:	Endpoint LC50 NOELR	96h 21d	>1000	mg/l mg/l	Oncorhynchus mykiss Daphnia magna	OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test)	
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia:	Endpoint LC50	96h	>1000	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202	
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia:	Endpoint LC50 NOELR	96h 21d	>1000	mg/l mg/l	Oncorhynchus mykiss Daphnia magna	OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp.	
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia:	Endpoint LC50 NOELR	96h 21d	>1000	mg/l mg/l	Oncorhynchus mykiss Daphnia magna	OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp. Acute	
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia:	Endpoint LC50 NOELR	96h 21d	>1000	mg/l mg/l	Oncorhynchus mykiss Daphnia magna	OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp.	
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia:	Endpoint LC50 NOELR EC50	96h 21d 48h	>1000 125 >1000	mg/l mg/l mg/l	Oncorhynchus mykiss Daphnia magna Mysidopsis bahia	OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp. Acute Immobilisation Test)	
Toxicity / effect	Endpoint LC50 NOELR	96h 21d	>1000	mg/l mg/l	Oncorhynchus mykiss Daphnia magna	OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga,	
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia:	Endpoint LC50 NOELR EC50	96h 21d 48h	>1000 125 >1000	mg/l mg/l mg/l	Oncorhynchus mykiss Daphnia magna Mysidopsis bahia	OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp. Acute Immobilisation Test)	
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae:	Endpoint LC50 NOELR EC50	96h 21d 48h	>1000 125 >1000	mg/l mg/l mg/l	Oncorhynchus mykiss Daphnia magna Mysidopsis bahia Selenastrum	OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga,	Notes
Toxicity / effect12.1. Toxicity to fish:12.1. Toxicity to daphnia:12.1. Toxicity to daphnia:12.1. Toxicity to daphnia:12.2. Persistence and	Endpoint LC50 NOELR EC50	96h 21d 48h	>1000 125 >1000	mg/l mg/l mg/l	Oncorhynchus mykiss Daphnia magna Mysidopsis bahia Selenastrum	OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Notes Not readily
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.2. Persistence and degradability:	Endpoint LC50 NOELR EC50 NOELR	96h 21d 48h	>1000 125 >1000 1000	mg/l mg/l mg/l	Oncorhynchus mykiss Daphnia magna Mysidopsis bahia Selenastrum	OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Notes
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative	Endpoint LC50 NOELR EC50	96h 21d 48h	>1000 125 >1000	mg/l mg/l mg/l	Oncorhynchus mykiss Daphnia magna Mysidopsis bahia Selenastrum	OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Notes Not readily
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential:	Endpoint LC50 NOELR EC50 NOELR	96h 21d 48h	>1000 125 >1000 1000	mg/l mg/l mg/l	Oncorhynchus mykiss Daphnia magna Mysidopsis bahia Selenastrum	OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Notes Not readily biodegradable
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.5. Results of PBT	Endpoint LC50 NOELR EC50 NOELR	96h 21d 48h	>1000 125 >1000 1000	mg/l mg/l mg/l	Oncorhynchus mykiss Daphnia magna Mysidopsis bahia Selenastrum	OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Notes Not readily biodegradable No PBT
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative	Endpoint LC50 NOELR EC50 NOELR	96h 21d 48h	>1000 125 >1000 1000	mg/l mg/l mg/l	Oncorhynchus mykiss Daphnia magna Mysidopsis bahia Selenastrum	OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Notes Not readily biodegradable No PBT substance, No
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.5. Results of PBT	Endpoint LC50 NOELR EC50 NOELR	96h 21d 48h	>1000 125 >1000 1000	mg/l mg/l mg/l	Oncorhynchus mykiss Daphnia magna Mysidopsis bahia Selenastrum	OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Notes Not readily biodegradable No PBT

1-Decene, nomopolymer	, nyarogenated						
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to daphnia:	EC50	48h	>1000	mg/l	Daphnia magna		
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	125	mg/l	Daphnia magna		
12.1. Toxicity to algae:	LC50	72h	>1000	mg/l	Scenedesmus		
					quadricauda		
12.2. Persistence and		28d	2	%		OECD 301 D	
degradability:						(Ready	
						Biodegradability -	
						Closed Bottle Test)	
12.3. Bioaccumulative	Log Kow		>6,5				measured
potential:							

Baseoil - unspecified							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>100	mg/l	Pimephales		
					promelas		
12.1. Toxicity to daphnia:	EC50	48h	>10000	mg/l	Daphnia magna		
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	>10	mg/l	Daphnia magna		
12.1. Toxicity to algae:	EC50	72h	>100	mg/l	Scenedesmus		
					quadricauda		



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2.2. Persistence and degradability:		28d	31	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	Not readily biodegradable
Polysulfides, di-tert-Bu							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to daphnia:	EC50	48h	63	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	EC50	72h	>100	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	13	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	Not readily biodegradable
12.3. Bioaccumulative	Log Kow		6			,	measured
potential: Toxicity to bacteria:	EC50	3h	>10000	mg/l	activated sludge		
alkyl (branched) Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
10 1 Tavialty to flake							
·	NOEC/NOEL	96h	3,2	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to fish:	LC50	96h	8,5	mg/l	Pimephales promelas	Acute Toxicity Test) OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to fish:					mykiss Pimephales	Acute Toxicity Test) OECD 203 (Fish, Acute Toxicity	
12.1. Toxicity to fish: 12.1. Toxicity to daphnia:	LC50	96h	8,5 0,66 0,12	mg/l	Pimephales promelas	Acute Toxicity Test) OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 211 (Daphnia magna Reproduction Test)	Analogous conclusion
12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia:	LC50 EL50	96h 21d	8,5	mg/l	mykiss Pimephales promelas Daphnia magna	Acute Toxicity Test) OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 211 (Daphnia magna	
12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae:	LC50 EL50 NOEC/NOEL	96h 21d 21d	8,5 0,66 0,12	mg/l mg/l mg/l	mykiss Pimephales promelas Daphnia magna Daphnia magna Daphnia magna Selenastrum capricornutum	Acute Toxicity Test) OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp. Acute Immobilisation	conclusion Analogous
12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae:	LC50 EL50 NOEC/NOEL EL50	96h 21d 21d 48h	8,5 0,66 0,12 91,4	mg/l mg/l mg/l mg/l	mykiss Pimephales promelas Daphnia magna Daphnia magna Daphnia magna Selenastrum	Acute Toxicity Test) OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	conclusion Analogous
12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.1. Toxicity to algae: 12.2. Persistence and	LC50 EL50 NOEC/NOEL EL50 EC50	96h 21d 21d 48h 96h	8,5 0,66 0,12 91,4 6,4	mg/l mg/l mg/l mg/l	mykiss Pimephales promelas Daphnia magna Daphnia magna Daphnia magna Selenastrum capricornutum Selenastrum	Acute Toxicity Test) OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition Test) OECD 201 (Alga, Growth Inhibition	conclusion Analogous
 12.1. Toxicity to fish: 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.2. Persistence and degradability: 12.5. Results of PBT 	LC50 EL50 NOEC/NOEL EL50 EC50	96h 21d 21d 48h 96h 96h	8,5 0,66 0,12 91,4 6,4 1,7	mg/l mg/l mg/l mg/l mg/l	mykiss Pimephales promelas Daphnia magna Daphnia magna Daphnia magna Selenastrum capricornutum Selenastrum capricornutum	Acute Toxicity Test) OECD 203 (Fish, Acute Toxicity Test) OECD 211 (Daphnia magna Reproduction Test) OECD 211 (Daphnia magna Reproduction Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition Test) OECD 201 (Alga, Growth Inhibition Test) OECD 201 (Alga, Growth Inhibition Test) OECD 201 (Alga, Growth Inhibition Test) OECD 301 B (Ready Biodegradability - Co2 Evolution	Conclusion Analogous conclusion Not readily



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Toxicity to bacteria:	EC50	3h	~2433	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
		SECTI	ON 13: D	isposal	considerations		
13.1 Waste treatil For the substand Soaked polluted cloths, EC disposal code no.: The waste codes are re Owing to the user's speed allocated under certain of 13 02 05 mineral-based Recommendation: Sewage disposal shall b Pay attention to local an E.g. suitable incineration For contaminate Pay attention to local an 15 01 01 paper and card 15 01 02 plastic packag 15 01 04 metallic packag Empty container complet	ce / mixture paper or other of circumstances. (non-chlorinated be discouraged. d national officia refuse site. n plant. d packing in d national officia dboard packagir ing ging etely.	b / residuations borganic material s based on the or use and di (2014/955/EL d engine, gea al regulations material al regulations og	rials represent ne scheduled u isposal, other J) r and lubricati	a fire hazar use of this p waste code	roduct.	lled, collected and disposed of.	
Dispose of packaging th	at cannot be cle				tance.		
			1011 14.	Παπορι			
General stateme Transport by roa 14.1. UN number or ID r 14.2. UN proper shippin Not applicable	ad/by rail (A number:	(DR/RID)		Not	applicable		
14.3. Transport hazard of 14.4. Packing group: 14.5. Environmental haz Tunnel restriction code: Classification code: LQ: Transport category: Transport by sea 14.1. UN number or ID r	zards: a (IMDG-co	de)		Not Not Not Not Not	applicable applicable applicable applicable applicable applicable		
14.2. UN proper shippin Not applicable 14.3. Transport hazard of 14.4. Packing group: 14.5. Environmental haz Marine Pollutant:	g name: class(es):			Not Not Not	applicable applicable applicable applicable applicable		
EmS: Transport by air 14.1. UN number or ID r 14.2. UN proper shippin	number:				applicable applicable		



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14.4. Packing group: 14.5. Environmental hazards:

14.6. Special precautions for user Unless specified otherwise, general measures for safe transport must be followed.

14.7. Maritime transport in bulk according to IMO instruments

Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

Not applicable

Not applicable

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Observe restrictions: General hygiene measures for the handling of chemicals are applicable.

Directive 2010/75/EU (VOC):

5 %

National requirements/regulations on safety and health protection must be applied when using work equipment.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections:

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3, 8, 11, 12

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Not applicable

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents. H317 May cause an allergic skin reaction.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Asp. Tox. — Aspiration hazard Skin Sens. — Skin sensitization Aquatic Chronic — Hazardous to the aquatic environment - chronic Acute Tox. — Acute toxicity - oral Eye Irrit. — Eye irritation

Key literature references and sources for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.

Guidelines for the preparation of safety data sheets as amended (ECHA).

Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).

Safety data sheets for the constituent substances.

ECHA Homepage - Information about chemicals.

GESTIS Substance Database (Germany).

German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).

EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.

National Lists of Occupational Exposure Limits for each country as amended.

Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

Any abbreviations and acronyms used in this document:



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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 24.03.2023 / 0016
Replacing version dated / version: 12.05.2022 / 0015
Valid from: 24.03.2023
PDF print date: 07.05.2024
Vollsynthetisches Hypoid Getriebeoel Truck (GL4/5) 75W-90
ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the
International Carriage of Dangerous Goods by Road)
AOX Adsorbable organic halogen compounds
approx. approximately
Art., Art. no. Article number
ASTM ASTM International (American Society for Testing and Materials) ATE Acute Toxicity Estimate
BAM Bundesanstalt für Materialforschung und -prüfung (= Federal Institute for Materials Research and Testing, Germany)
BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
BCF Bioconcentration factor
BSEF The International Bromine Council
CAS Chemical Abstracts Service CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances
and mixtures)
CMR carcinogenic, mutagenic, reproductive toxic
DMEL Derived Minimum Effect Level
DNEL Derived No Effect Level
DOC Dissolved organic carbon
e.g. for example (abbreviation of Latin 'exempli gratia'), for instance EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants)
EC European Community
ECHA European Chemicals Agency
ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect
EEC European Economic Community
EINECS European Inventory of Existing Commercial Chemical Substances ELINCS European List of Notified Chemical Substances
EN European Norms
EPA United States Environmental Protection Agency (United States of America)
$ErCx$, $E\mu Cx$, $ErLx$ (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants)
etc. et cetera
EU European Union EVAL Ethylene-vinyl alcohol copolymer
Fax. Fax number
gen. general
GHS Globally Harmonized System of Classification and Labelling of Chemicals
GWP Global warming potential
Koc Adsorption coefficient of organic carbon in the soil Kow octanol-water partition coefficient
IARC International Agency for Research on Cancer
IATA International Air Transport Association
IBC (Code) International Bulk Chemical (Code)
IMDG-code International Maritime Code for Dangerous Goods
incl. including, inclusive IUCLID International Uniform Chemical Information Database
IUPAC International Union for Pure Applied Chemistry
LC50 Lethal Concentration to 50 % of a test population
LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)
Log Koc Logarithm of adsorption coefficient of organic carbon in the soil
Log Kow, Log Pow Logarithm of octanol-water partition coefficient LQ Limited Quantities
MARPOL International Convention for the Prevention of Marine Pollution from Ships
mg/kg bw mg/kg body weight
mg/kg bw/d, mg/kg bw/day mg/kg body weight/day
mg/kg dw mg/kg dry weight
mg/kg wwt mg/kg wet weight n.a. not applicable
n.av. not available
n.c. not checked
n.d.a. no data available
NIOSH National Institute for Occupational Safety and Health (USA)
NLP No-longer-Polymer NOEC, NOEL No Observed Effect Concentration/Level
OECD Organisation for Economic Co-operation and Development
org. organic



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No responsibility.

These statements were made by:

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