

Page 1 of 11 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 06.07.2020 / 0018 Replacing version dated / version: 12.02.2018 / 0017 Valid from: 06.07.2020 PDF print date: 10.07.2020 HYPOID GETR.GL5 85W90 500 mL Art.: 1404

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

HYPOID GETR.GL5 85W90 500 mL

Art.: 1404

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

Gear lubricant

Sector of use [SU]: SU 3 - Industrial uses: Uses of substances as such or in preparations at industrial sites

SU21 - Consumer uses: Private households (=general public = consumers)

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Chemical product category [PC]:

PC17 - Hydraulic fluids

PC24 - Lubricants, greases, release products

Process category [PROC]:

PROC 1 - Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. PROC 2 - Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC 8a - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC 8b - Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC 9 - Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC20 - Use of functional fluids in small devices

Article Categories [AC]:

AC99 - Not required.

Environmental Release Category [ERC]:

ERC 4 - Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

ERC 7 - Use of functional fluid at industrial site

ERC 9a - Widespread use of functional fluid (indoor)

ERC 9b - Widespread use of functional fluid (outdoor)

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:

Telephone number of the company in case of emergencies: +49 (0) 700 / 24 112 112 (LMR)

SECTION 2: Hazards identification



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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), Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivatives. 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 %).

Product can compose a film on the water surface, which can prevent oxygen exchange.

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a. 3.2 Mixture

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid	Substance with specific conc. limit(s) acc. to REACh-
with phosphorus oxide, propylene oxide and amines, C12-14-alkyl	registration
(branched)	
Registration number (REACH)	01-2119493620-38-XXXX
Index	
EINECS, ELINCS, NLP	931-384-6 (REACH-IT List-No.)
CAS	
content %	1-<2,5
Classification according to Regulation (EC) 1272/2008 (CLP)	Acute Tox. 4, H302
	Skin Sens. 1, H317
	Eye Dam. 1, H318
	Aquatic Chronic 2, H411
Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde	SVHC-substance
and phenol, heptyl derivatives	
Registration number (REACH)	01-2119971727-23-XXXX
Index	
EINECS, ELINCS, NLP	 939-460-0 (REACH-IT List-No.)
EINECS, ELINCS, NLP CAS	
, ,	939-460-0 (REACH-IT List-No.)
CAS	939-460-0 (REACH-IT List-No.)
CAS content %	939-460-0 (REACH-IT List-No.) 0,1-<1
CAS content %	939-460-0 (REACH-IT List-No.) 0,1-<1 Flam. Liq. 3, H226
CAS content %	939-460-0 (REACH-IT List-No.) 0,1-<1 Flam. Liq. 3, H226 Skin Irrit. 2, H315

Impurities, test data and additional information may have been taken into account in classifying and labelling the product.

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

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.



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

Allergic reaction possible.

4.3 Indication of any immediate medical attention and special treatment needed

n.c.

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 nitrogen Oxides of sulphur

5.3 Advice for firefighters

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. Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid formation of oil mist. Remove possible causes of ignition - do not smoke. Avoid inhalation, and contact with eyes or skin. If applicable, caution - risk of slipping.



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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) and dispose of according to Section 13.

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 Ensure good ventilation.

Keep away from sources of ignition - Do not smoke.

Avoid contact with eyes or skin.

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

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

Do not heat to temperatures close to flash point.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

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.

Do not store with flammable or self-igniting materials.

Protect against moisture and store closed.

Under all circumstances prevent penetration into the soil.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name Oil mist, mineral		Content %:
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:	

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).

(8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE).
(11) = Inhalable fraction (Directive 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 (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).
(8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/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. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.



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** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision. (13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

8.2 Exposure controls 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. BS EN 14042.

BS 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:

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Tight fitting protective goggles (EN 166) with side protection, with danger of splashes.

Skin protection - Hand protection: Protective nitrile gloves (EN 374). Minimum layer thickness in mm: 0,35 Permeation time (penetration time) in minutes: >= 480

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: Normally not necessary. With oil mist formation: Filter A P3 (EN 14387), code colour brown, white Observe wearing time limitations for respiratory protection equipment.

Thermal hazards: Not applicable

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



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Physical state: Colour: Odour: Odour threshold: pH-value: Melting point/freezing point: Initial boiling point and boiling range: Flash point: Evaporation rate: Flammability (solid, gas): Lower explosive limit: Upper explosive limit: Vapour pressure: Vapour density (air = 1): Density: Bulk density: Solubility(ies): Water solubility: Partition coefficient (n-octanol/water): Auto-ignition temperature: Decomposition temperature: Viscosity: Viscosity: Explosive properties: Oxidising properties:

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9.2 Other information

Miscibility: Fat solubility / solvent: Conductivity: Surface tension: Solvents content: Liquid Brown Characteristic Not determined n.a. Not determined Not determined 206 °C Not determined n.a. Not determined Not determined Not determined Not determined 0,9 g/ml n.a. Not determined Insoluble Not determined Not determined Not determined 201 mm2/s (40°C) 17,5 mm2/s (100°C) Product is not explosive. No

Not determined Not determined Not determined Not determined Not determined

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. Protect from humidity. 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

No decomposition when used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification). HYPOID GETR.GL5 85W90 500 mL

Art.: 1404						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	ATE	>5000	mg/kg			calculated value



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Safety data sheet accordi	og to Pogulation	(EC) No 100					
			<i>J1/200</i> 6, Al	inex ii			
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HYPOID GETR.GL5 85W	90 500 mL						
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Acute toxicity, by dermal r	outo:						n.d.a.
Acute toxicity, by definant							n.d.a.
	11.						
Skin corrosion/irritation:							n.d.a.
Serious eye damage/irrita	tion:						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 toxic	;itv -						n.d.a.
single exposure (STOT-SI							
Specific target organ toxic							n.d.a.
repeated exposure (STOT							11.0.0.
Aspiration hazard:	κ <u></u> .						n.d.a.
							n.d.a.
Symptoms:							
Other information:							Classification
							according to
							calculation
							procedure.
	s(4-methylpenta	n-2-yl)dithi	ophosphoi	ic acid with	n phosphorus oxi	ide, propylene oxide and a	mines, C12-14-
alkyl (branched)							
Toxicity / effect	Endpo	int Valu	e	Unit	Organism	Test method	Notes
Acute toxicity, by oral rout		>200	00	mg/kg	Rat	OECD 401 (Acute Oral	
						Toxicity)	
Skin corrosion/irritation:					Rabbit	OECD 404 (Acute	Not irritant
Okin conosion/initiation.					Rabbit	Dermal	Not initiant
						Irritation/Corrosion)	
					Rabbit	Initation/Corrosion)	Corrosive
	tions.						
Serious eye damage/irrita	tion:					0505 400 (01)	
Respiratory or skin	tion:				Mouse	OECD 429 (Skin	Sensitising
	tion:					Sensitisation - Local	
Respiratory or skin	tion:						
Respiratory or skin sensitisation:					Mouse	Sensitisation - Local Lymph Node Assay)	
Respiratory or skin sensitisation: Reaction product of 1,3,		e-2,5-dithio	ne, formale	dehyde and	Mouse	Sensitisation - Local Lymph Node Assay)	
Respiratory or skin sensitisation:				dehyde and Unit	Mouse phenol, heptyl d	Sensitisation - Local Lymph Node Assay)	
Respiratory or skin sensitisation: Reaction product of 1,3, Toxicity / effect	4-thiadiazolidin Endpo	int Valu	e	Unit	Mouse phenol, heptyl d Organism	Sensitisation - Local Lymph Node Assay) erivatives	Sensitising
Respiratory or skin sensitisation: Reaction product of 1,3, Toxicity / effect Acute toxicity, by oral rout	4-thiadiazolidin Endpo e: LD50	int Valu <500	1 e)0	Unit mg/kg	Mouse phenol, heptyl d Organism Rat	Sensitisation - Local Lymph Node Assay) erivatives Test method	Sensitising
Respiratory or skin sensitisation: Reaction product of 1,3, Toxicity / effect	4-thiadiazolidin Endpo e: LD50	int Valu	1 e)0	Unit	Mouse phenol, heptyl d Organism	Sensitisation - Local Lymph Node Assay) erivatives Test method OECD 402 (Acute	Sensitising
Respiratory or skin sensitisation: Reaction product of 1,3, Toxicity / effect Acute toxicity, by oral rout Acute toxicity, by dermal r	4-thiadiazolidin Endpo e: LD50	int Valu <500	1 e)0	Unit mg/kg	Mouse phenol, heptyl d Organism Rat Rat	Sensitisation - Local Lymph Node Assay) erivatives Test method	Sensitising Notes
Respiratory or skin sensitisation: Reaction product of 1,3, Toxicity / effect Acute toxicity, by oral rout Acute toxicity, by dermal r Skin corrosion/irritation:	4-thiadiazolidin Endpo e: LD50 oute: LD50	int Valu <500	1 e)0	Unit mg/kg	Mouse phenol, heptyl d Organism Rat Rat Rat Rabbit	Sensitisation - Local Lymph Node Assay) erivatives Test method OECD 402 (Acute	Sensitising Notes Irritant
Respiratory or skin sensitisation: Reaction product of 1,3, Toxicity / effect Acute toxicity, by oral rout Acute toxicity, by dermal r	4-thiadiazolidin Endpo e: LD50 oute: LD50	int Valu <500	1 e)0	Unit mg/kg	Mouse phenol, heptyl d Organism Rat Rat	Sensitisation - Local Lymph Node Assay) erivatives Test method OECD 402 (Acute	Sensitising Notes
Respiratory or skin sensitisation: Reaction product of 1,3, Toxicity / effect Acute toxicity, by oral rout Acute toxicity, by dermal r Skin corrosion/irritation:	4-thiadiazolidin Endpo e: LD50 oute: LD50	int Valu <500	1 e)0	Unit mg/kg	Mouse phenol, heptyl d Organism Rat Rat Rat Rabbit	Sensitisation - Local Lymph Node Assay) erivatives Test method OECD 402 (Acute	Sensitising Notes Irritant
Respiratory or skin sensitisation: Reaction product of 1,3, Toxicity / effect Acute toxicity, by oral rout Acute toxicity, by dermal r Skin corrosion/irritation:	4-thiadiazolidin Endpo e: LD50 oute: LD50	int Valu <500 >200	00 00	Unit mg/kg mg/kg	Mouse phenol, heptyl d Organism Rat Rat Rat Rabbit Rabbit	Sensitisation - Local Lymph Node Assay) erivatives Test method OECD 402 (Acute Dermal Toxicity)	Sensitising Notes Irritant
Respiratory or skin sensitisation: Reaction product of 1,3, Toxicity / effect Acute toxicity, by oral rout Acute toxicity, by dermal r Skin corrosion/irritation:	4-thiadiazolidin Endpo e: LD50 oute: LD50	int Valu <500 >200	00 00	Unit mg/kg mg/kg	Mouse phenol, heptyl d Organism Rat Rat Rat Rabbit	Sensitisation - Local Lymph Node Assay) erivatives Test method OECD 402 (Acute Dermal Toxicity)	Sensitising Notes Irritant
Respiratory or skin sensitisation: Reaction product of 1,3, Toxicity / effect Acute toxicity, by oral rout Acute toxicity, by dermal r Skin corrosion/irritation:	4-thiadiazolidin Endpo e: LD50 oute: LD50	int Valu <500 >200	00 00	Unit mg/kg mg/kg	Mouse phenol, heptyl d Organism Rat Rat Rat Rabbit Rabbit	Sensitisation - Local Lymph Node Assay) erivatives Test method OECD 402 (Acute Dermal Toxicity)	Sensitising Notes Irritant
Respiratory or skin sensitisation: Reaction product of 1,3, Toxicity / effect Acute toxicity, by oral rout Acute toxicity, by dermal r Skin corrosion/irritation: Serious eye damage/irrita	4-thiadiazolidin Endpo e: LD50 oute: LD50 tion:	int Valu <500 >200 SECTIO	00 00 00 00 00 00	Unit mg/kg mg/kg Ecologic	Mouse phenol, heptyl d Organism Rat Rat Rat Rat Rabbit Rabbit Rabbit Cal informat	Sensitisation - Local Lymph Node Assay) erivatives Test method OECD 402 (Acute Dermal Toxicity)	Sensitising Notes Irritant
Respiratory or skin sensitisation: Reaction product of 1,3, Toxicity / effect Acute toxicity, by oral rout Acute toxicity, by dermal r Skin corrosion/irritation: Serious eye damage/irrita Possibly more information	4-thiadiazolidin Endpo e: LD50 oute: LD50 tion:	int Valu <500 >200 SECTIO	00 00 00 00 00 00	Unit mg/kg mg/kg Ecologic	Mouse phenol, heptyl d Organism Rat Rat Rat Rat Rabbit Rabbit Rabbit Cal informat	Sensitisation - Local Lymph Node Assay) erivatives Test method OECD 402 (Acute Dermal Toxicity)	Sensitising Notes Irritant
Respiratory or skin sensitisation: Reaction product of 1,3, Toxicity / effect Acute toxicity, by oral rout Acute toxicity, by dermal r Skin corrosion/irritation: Serious eye damage/irrita Possibly more information HYPOID GETR.GL5 85W	4-thiadiazolidin Endpo e: LD50 oute: LD50 tion:	int Valu <500 >200 SECTIO	00 00 00 00 00 00	Unit mg/kg mg/kg Ecologic	Mouse phenol, heptyl d Organism Rat Rat Rat Rat Rabbit Rabbit Rabbit Cal informat	Sensitisation - Local Lymph Node Assay) erivatives Test method OECD 402 (Acute Dermal Toxicity)	Sensitising Notes Irritant
Respiratory or skin sensitisation: Reaction product of 1,3, Toxicity / effect Acute toxicity, by oral rout Acute toxicity, by dermal r Skin corrosion/irritation: Serious eye damage/irrita Possibly more information HYPOID GETR.GL5 85W Art.: 1404	4-thiadiazolidin Endpo e: LD50 oute: LD50 tion: on environment 90 500 mL	int Valu <500 >200 SECTIO	DO DO DO DN 12: De Section 2	Unit mg/kg mg/kg Ecologic 2.1 (classific	Mouse phenol, heptyl d Organism Rat Rat Rat Rabbit Rabbit Cal informat ation).	Sensitisation - Local Lymph Node Assay) erivatives Test method OECD 402 (Acute Dermal Toxicity) ion	Sensitising Notes Irritant Eye Dam. 1
Respiratory or skin sensitisation:	4-thiadiazolidin Endpo e: LD50 oute: LD50 tion:	int Valu <500 >200 SECTIO	00 00 00 00 00 00	Unit mg/kg mg/kg Ecologic	Mouse phenol, heptyl d Organism Rat Rat Rat Rat Rabbit Rabbit Rabbit Cal informat	Sensitisation - Local Lymph Node Assay) erivatives Test method OECD 402 (Acute Dermal Toxicity)	Sensitising Notes Irritant Eye Dam. 1 Notes
Respiratory or skin sensitisation: Reaction product of 1,3, Toxicity / effect Acute toxicity, by oral rout Acute toxicity, by oral rout Acute toxicity, by dermal r Skin corrosion/irritation: Serious eye damage/irrita Possibly more information HYPOID GETR.GL5 85W Art.: 1404 Toxicity / effect 12.1. Toxicity to fish:	4-thiadiazolidin Endpo e: LD50 oute: LD50 tion: on environment 90 500 mL	int Valu <500 >200 SECTIO	DO DO DO DN 12: De Section 2	Unit mg/kg mg/kg Ecologic 2.1 (classific	Mouse phenol, heptyl d Organism Rat Rat Rat Rabbit Rabbit Cal informat ation).	Sensitisation - Local Lymph Node Assay) erivatives Test method OECD 402 (Acute Dermal Toxicity) ion	Sensitising Notes Irritant Eye Dam. 1 Notes n.d.a.
Respiratory or skin sensitisation: Reaction product of 1,3, Toxicity / effect Acute toxicity, by oral rout Acute toxicity, by oral rout Acute toxicity, by dermal r Skin corrosion/irritation: Serious eye damage/irrita Possibly more information HYPOID GETR.GL5 85W Art.: 1404 Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia:	4-thiadiazolidin Endpo e: LD50 oute: LD50 tion: on environment 90 500 mL	int Valu <500 >200 SECTIO	DO DO DO DN 12: De Section 2	Unit mg/kg mg/kg Ecologic 2.1 (classific	Mouse phenol, heptyl d Organism Rat Rat Rat Rabbit Rabbit Cal informat ation).	Sensitisation - Local Lymph Node Assay) erivatives Test method OECD 402 (Acute Dermal Toxicity) ion	Sensitising Notes Irritant Eye Dam. 1 Notes n.d.a. n.d.a.
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Respiratory or skin sensitisation: Reaction product of 1,3, Toxicity / effect Acute toxicity, by oral rout Acute toxicity, by oral rout Acute toxicity, by dermal r Skin corrosion/irritation: Serious eye damage/irrita Possibly more information HYPOID GETR.GL5 85W Art.: 1404 Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia:	4-thiadiazolidin Endpo e: LD50 oute: LD50 tion: on environment 90 500 mL	int Valu <500 >200 SECTIO	DO DO DO DN 12: De Section 2	Unit mg/kg mg/kg Ecologic 2.1 (classific	Mouse phenol, heptyl d Organism Rat Rat Rat Rabbit Rabbit Cal informat ation).	Sensitisation - Local Lymph Node Assay) erivatives Test method OECD 402 (Acute Dermal Toxicity) ion	Sensitising Notes Irritant Eye Dam. 1 Notes n.d.a. n.d.a.
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(GB)·

Reaction products of bis	s(4-methylpentar	-2-yl)dithio	phosphoric	c acid with pl	hosphorus	s oxide, prop	oylene o	xide and an	nines, C12-14-
alkyl (branched)									

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	NOEC/NOEL	96h	3,2	mg/l	Oncorhynchus	OECD 203 (Fish,	
					mykiss	Acute Toxicity	
						Test)	
12.1. Toxicity to daphnia:	EC50	48h	91,4	mg/l	Daphnia magna	OECD 202	
						(Daphnia sp.	
						Acute	
						Immobilisation	
						Test)	
12.1. Toxicity to algae:	EC50	96h	6,4	mg/l	Selenastrum	OECD 201 (Alga,	
					capricornutum	Growth Inhibition	
					-	Test)	
12.1. Toxicity to algae:	NOEC/NOEL	96h	1,7	mg/l	Selenastrum	OECD 201 (Alga,	
				_	capricornutum	Growth Inhibition	
					-	Test)	
12.2. Persistence and		28d	7,4	%	activated sludge	OECD 301 B	
degradability:					_	(Ready	
						Biodegradability -	
						Co2 Evolution	
						Test)	
Toxicity to bacteria:	EC50	3h	~2433	mg/l	activated sludge	OECD 209	
				Ū	C C	(Activated Sludge,	
						Respiration	
						Inhibition Test	
						(Carbon and	
						Ammonium	
						Oxidation))	

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LL50	96h	26	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EL50	48h	75	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	EC50	72h	25	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:	DOC	28d	17,4	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	
12.3. Bioaccumulative potential:	Log Kow		>9,4				

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

Soaked polluted cloths, paper or other organic materials represent a fire hazard and should be controlled, collected and disposed of. EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)



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Art.: 1404

13 02 05 mineral-based non-chlorinated engine, gear and lubricating oils Recommendation: Sewage disposal shall be discouraged. Pay attention to local and national official regulations. Implement substance recycling.

E.g. suitable incineration plant.

(GB)

For contaminated packing material

Pay attention to local and national official regulations. 15 01 01 paper and cardboard packaging 15 01 02 plastic packaging 15 01 04 metallic packaging Empty container completely. Uncontaminated packaging can be recycled. Dispose of packaging that cannot be cleaned in the same manner as the substance.

SECTION 14: Transport information

General statements

14.1. UN number:	n.a.
Transport by road/by rail (ADR/RID)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
Classification code:	n.a.
LQ:	n.a.
14.5. Environmental hazards:	Not applicable
Tunnel restriction code:	
Transport by sea (IMDG-code)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
Marine Pollutant:	n.a
14.5. Environmental hazards:	Not applicable
Transport by air (IATA)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
14.5. Environmental hazards:	Not applicable
14.6. Special precautions for user	

Unless specified otherwise, general measures for safe transport must be followed.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

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):

4,42 %

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

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Revised sections:
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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 (specified in Section 2 and 3).

H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Acute Tox. — Acute toxicity - oral Skin Sens. — Skin sensitization Eye Dam. — Serious eye damage Aquatic Chronic — Hazardous to the aquatic environment - chronic Flam. Liq. — Flammable liquid Skin Irrit. — Skin irritation

Any abbreviations and acronyms used in this document:

according, according to acc., acc. to 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 Article number Art., Art. no. ASTM ASTM International (American Society for Testing and Materials) 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) BSEF The International Bromine Council bw body weight **Chemical Abstracts Service** CAS 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 dw dry weight for example (abbreviation of Latin 'exempli gratia'), for instance e.g. EC European Community ECHA European Chemicals Agency EEC European Economic Community EINECS European Inventory of Existing Commercial Chemical Substances **FLINCS** European List of Notified Chemical Substances ΕN European Norms EPA United States Environmental Protection Agency (United States of America) etc. et cetera EU **European Union** EVAL Ethylene-vinyl alcohol copolymer Fax number Fax. general gen. Globally Harmonized System of Classification and Labelling of Chemicals GHS GWP Global warming potential International Agency for Research on Cancer IARC International Air Transport Association IATA IBC (Code) International Bulk Chemical (Code)



ആ Page 11 of 11 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 06.07.2020 / 0018 Replacing version dated / version: 12.02.2018 / 0017 Valid from: 06.07.2020 PDF print date: 10.07.2020 HYPOID GETR.GL5 85W90 500 mL Art.: 1404 International Maritime Code for Dangerous Goods IMDG-code incl. including, inclusive IUCLID International Uniform Chemical Information Database LQ Limited Quantities MARPOL International Convention for the Prevention of Marine Pollution from Ships not applicable n.a. not available n.av. not checked n.c. n.d.a. no data available OECD Organisation for Economic Co-operation and Development org. organic PBT persistent, bioaccumulative and toxic PE Polyethylene PNEC Predicted No Effect Concentration parts per million ppm PVC Polyvinylchloride REACHRegistration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals) **REACH-IT List-No.** 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT. Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International RID Carriage of Dangerous Goods by Rail) SVHC Substances of Very High Concern Tel. Telephone UN RTDG United Nations Recommendations on the Transport of Dangerous Goods VOC Volatile organic compounds vPvB very persistent and very bioaccumulative wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.

These statements were made by: Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

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