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# 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**

#### MEGOL ULTRA PERF.LONGL5W40 1 L Art.-Nr. 4361

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

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#### Uses advised against:

No information available at present.

### **1.3 Details of the supplier of the safety data sheet** $(\ensuremath{\mathbb{R}})$

Meguin GmbH & Co. KG Mineraloelwerke, Rodener Strasse 25, 66740 Saarlouis, Germany Phone: 06831/89 09-0, Fax: 06831/89 09-62

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**

#### 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)

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.

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

Product can compose a film on the water surface, which can prevent oxygen exchange. Hazardous to drinking water, on escape of even small quantities.

#### SECTION 3: Composition/information on ingredients

#### 3.1 Substance

n.a.

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#### 3.2 Mixture

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-	
based	
Registration number (REACH)	01-2119474889-13-XXXX
Index	649-483-00-5
EINECS, ELINCS, NLP	276-738-4
CAS	72623-87-1
content %	60-80
Classification according to Regulation (EC) 1272/2008 (CLP)	Asp. Tox. 1, H304

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 3.1/3.2 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.

#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

#### Inhalation

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.

Drying of the skin. Dermatitis (skin inflammation) Allergic reaction possible. On vapour formation: Irritation of the respiratory tract Ingestion: Gastrointestinal disturbances Nausea Vomiting 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

n.c.

#### SECTION 5: Firefighting measures

# 5.1 Extinguishing media Suitable extinguishing media CO2 Foam Dry extinguisher 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 Hydrogen sulphide

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Oxides of nitrogen Oxides of sulphur Toxic pyrolysis products. Flammable vapour/air mixtures

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#### **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. 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

Ensure sufficient supply of air. Avoid formation of oil mist. Avoid inhalation, and contact with eyes or skin.

If applicable, caution - risk of slipping.

#### 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

Do not wash away with water or watery cleaning agents.

#### 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.

Keep away from sources of ignition - Do not smoke. Do not heat to temperatures close to flash point.

Avoid contact with eyes.

Avoid long lasting or intensive contact with 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.

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. Impermeable floor.

Protect against moisture and store closed.

Protect from direct sunlight and warming.

#### 7.3 Specific end use(s)

No information available at present.

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

#### 8.1 Control parameters

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Chemical Name	Oil mist, mineral	Content %:
WEL-TWA: 5 mg/m3 (ACGIH)	WEL-STEL: 10 mg/m3 (ACGIH)	
Monitoring procedures:	<ul> <li>Draeger - Oil 10/a-P (67 28 371)</li> </ul>	
	- 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). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | 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.

\*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

#### 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.

#### 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 (EN 166) with side protection, with danger of projections.

Skin protection - Hand protection: Protective gloves, oil resistant (EN 374) If applicable Protective nitrile gloves (EN 374) Minimum layer thickness in mm: 0,4 Permeation time (penetration time) in minutes: > 480 Protective PVC gloves (EN 374) The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time. Protective hand cream recommended. 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 A2 P2 (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. Page 5 of 11 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 04.09.2015 / 0010 Replacing version dated / version: 03.12.2013 / 0009 Valid from: 04.09.2015 PDF print date: 04.09.2015 MEGOL ULTRA PERF.LONGL5W40 1 L Art.-Nr. 4361

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.

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#### **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

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: 9.2 Other information Miscibility:

Fat solubility / solvent: Conductivity: Surface tension: Solvents content:

Liquid Brown Characteristic Not determined Not determined Not determined Not determined 234 °C Not determined Not determined Not determined Not determined Not determined Not determined 0,856 g/ml n.a. Not determined Insoluble Not determined Not determined Not determined 88 mm2/s (40°C) 14,5 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. Heating, open flame, ignition sources Protect from humidity. **10.5 Incompatible materials** See also section 7. Augidia content with streng avidining events

See also section 7. Avoid contact with strong oxidizing agents. Avoid contact with strong acids.

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#### **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).

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Toxicity / effect	Endpoi nt	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
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 sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT- RE):						n.d.a.
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.
Other information:						Classification according to calculation procedure.

Toxicity / effect	Endpoi nt	Value	Unit	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	Rabbit	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	>5,53	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	
Skin corrosion/irritation:					OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant, Repeated exposure may cause skin dryness or cracking.
Skin corrosion/irritation:					OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:					OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:					OECD 406 (Skin Sensitisation)	Not sensitizising
Respiratory or skin sensitisation:					OECD 406 (Śkin Sensitisation)	No (skin contact)
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative

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Carcinogenicity:	OECD 451 Negative
	(Carcinogenicity
	Studies)
Carcinogenicity:	OECD 453 Negative
	(Combined Chronic
	Toxicity/Carcinogenic
	ity Studies)
Carcinogenicity:	OECD 451 Negative
	(Carcinogenicity
	Studies)
Reproductive toxicity:	OECD 414 (Prenatal Negative
	Developmental
	Toxicity Study)
Reproductive toxicity:	OECD 421 Negative
	(Reproduction/Develo
	pmental Toxicity
	Screening Test)
Reproductive toxicity:	OECD 414 (Prenatal Negative
	Developmental
	Toxicity Study)
Reproductive toxicity:	OECD 421 Negative
	(Reproduction/Develo
	pmental Toxicity
	Screening Test)
Specific target organ toxicity -	No indications of such
single exposure (STOT-SE):	an effect.
Specific target organ toxicity -	No indications of such
repeated exposure (STOT- RE):	an effect.
Aspiration hazard:	Asp. Tox. 1

#### **SECTION 12: Ecological information**

Possibly more information on environmental effects, see Section 2.1 (classification).								
MEGOL ULTRA PERF.LONGL5W40 1 L								
ArtNr. 4361								
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes	
Toxicity to fish:							n.d.a.	
Toxicity to daphnia:							n.d.a.	
Toxicity to algae:							n.d.a.	
Persistence and							Not readily	
degradability:							biodegradable	
Bioaccumulative							Concentration in	
potential:							organisms possible.	
Mobility in soil:							n.d.a.	
Results of PBT and							n.d.a.	
vPvB assessment								
Other adverse effects:							n.d.a.	

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	NOEC/NO	96h	>=100	mg/l	Pimephales	OECD 203	
	EL			_	promelas	(Fish, Acute	
						Toxicity Test)	
Toxicity to fish:	LL50	96h	> 100	mg/l	Pimephales	OECD 203	
					promelas	(Fish, Acute	
						Toxicity Test)	
Toxicity to daphnia:	NOEC/NO	48h	>1000	mg/l	Daphnia magna	OECD 202	
	EL		0			(Daphnia sp.	
						Acute	
						Immobilisation	
						Test)	

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Taviaitu ta dambaiau		044	10		Denhais means	OECD 211	
Toxicity to daphnia:	NOEC/NO	21d	10	mg/l	Daphnia magna		
	EL					(Daphnia	
						magna	
						Reproduction	
						Test)	
Toxicity to daphnia:	EL50	48h	>1000	mg/l	Daphnia magna	OECD 202	
			0			(Daphnia sp.	
						Acute	
						Immobilisation	
						Test)	
Toxicity to algae:	NOEC/NO	72h	>=100	mg/l	Pseudokirchnerie	OECD 201	
	EL				lla subcapitata	(Alga, Growth	
						Inhibition Test)	
Persistence and						OECD 301 B	Not readily
degradability:						(Ready	biodegradable
						Biodegradability	3
						- Co2	
						Evolution Test)	
Persistence and		28d	46	%		OECD 301 B	
degradability:						(Ready	
						Biodegradability	
						- Co2	
						Evolution Test)	
Bioaccumulative	Log Kow		>6			,	A notable biological
potential:	-						accumulation potential
.							has to be expected
							(LogPow > 3).
Results of PBT and							No PBT substance, No
vPvB assessment							vPvB substance
Toxicity to bacteria:	NOEC/NO EL	10min	>1,93	mg/l		DIN 38412 T.8	

#### **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)

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.

E.g. dispose at suitable refuse site.

E.g. suitable incineration plant.

#### 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**

UN number:

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#### Transport by road/by rail (ADR/RID)

UN proper shipping name:						
Transport hazard class(es):	n.a.					
Packing group:	n.a.					
Classification code:	n.a.					
LQ (ADR 2015):	n.a.					
Environmental hazards:	Not applicable					
Tunnel restriction code:						
Transport by sea (IMDG-code)						
UN proper shipping name:						
Transport hazard class(es):	n.a.					
Packing group:	n.a.					
Marine Pollutant:	n.a					
Environmental hazards:	Not applicable					
Transport by air (IATA)						
UN proper shipping name:						
Transport hazard class(es):	n.a.					
Packing group:	n.a.					
Environmental hazards:	Not applicable					
Special precautions for user						
Unless specified otherwise, general measures for safe transport m	ust be followed.					
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

National rules/regulation for the compliance with maximum quantities with regard to phosphates and or phosphorous compounds must be observed and complied with.

For classification and labelling see Section 2.

Observe restrictions:

General hygiene measures for the handling of chemicals are applicable.

#### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

**SECTION 16: Other information** 

Revised sections:

1 - 16

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). H304 May be fatal if swallowed and enters airways.

Asp. Tox. — Aspiration hazard

#### Any abbreviations and acronyms used in this document:

AC Article Categories acc., acc. to according, according to ACGIH American Conference of Governmental Industrial Hygienists ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road) AOEL Acceptable Operator Exposure Level AOX Adsorbable organic halogen compounds

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## 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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