

# Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Revision 24.06.2021 (GB) Version 1.0

HD 4C 20W-20

332xxx



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

### 1.1. Product identifier

Name of product HD 4C 20W-20  
Art-Nr 332xxx

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

#### Identified uses

#### Product categories [PC]

PC24 - Lubricants, greases, release products

### 1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor EUROLUB GmbH  
Freisingerstraße 25-27, D-85386 Eching b. München  
Phone +49 8165 9591-0, Fax +49 8165 9591-210  
E-Mail info@eurolub.com  
Internet www.eurolub.com

### 1.4. Emergency telephone number

Emergency advice  
Phone +49 8165 9591-0  
This number is only available at office times.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

#### Additional hints

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

### 2.2. Label elements

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

#### Special rules for supplemental label elements for certain mixtures

Enthält Calciumalkarylsulfonat, langkettiges. . Kann allergische Reaktionen hervorrufen.  
Safety data sheet available on request.

### 2.3. Other hazards

#### Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## SECTION 3: Composition/ information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

#### Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
8042-47-5		mineral oil	50 - 80	Asp. Tox. 1, H304

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#### Hazardous ingredients (continued)

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
68649-42-3	272-028-3	Zinkalkyldithiophosphat	< 1	Eye Dam. 1, H318 / Aquatic Chronic 2, H411
722503-69-7		Calciumalkarylsulfonat, langkettiges	1 - 2,5	Skin Sens. 1, H317 / Aquatic Chronic 4, H413

#### REACH

CAS No	Name	REACH registration number
68649-42-3	Zinkalkyldithiophosphat	01-2119657973-23

#### Additional advice

The highly refined mineral oil contains a dimethyl sulfoxide (DMSO) according to IP 346 extractable content of less than 3 % (w/w).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the event of persistent symptoms receive medical treatment.

#### In case of inhalation

In case of inhalation remove the casualty into fresh air and seek medical advice.

#### In case of skin contact

In case of contact with skin wash off with soap and water.

#### In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

#### In case of ingestion

Do not induce vomiting.

If swallowed seek medical advice immediately and show the doctor packing or label.

### 4.2. Most important symptoms and effects, both acute and delayed

#### Physician's information / possible symptoms

No information available.

#### Physician's information / possible dangers

No data available

### 4.3. Indication of any immediate medical attention and special treatment needed

#### Treatment (Advice to doctor)

Treat symptoms.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Foam

Dry fire-extinguishing substance

Carbon dioxide

Water spray jet

#### Unsuitable extinguishing media

Full water jet

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### 5.2. Special hazards arising from the substance or mixture

In fires, hazardous combustion gases are formed:

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Wear full protective clothing.

#### Additional information

Collect contaminated firefighting water separately, must not be discharged into the drains.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Ensure adequate ventilation.

#### For emergency responders

Use personal protective clothing.

### 6.2. Environmental precautions

Collect contaminated water / firefighting water separately.

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

### 6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. oil binder).

After taking up the material dispose according to regulation.

#### Additional Information

Informations for disposal see chapter 13.

### 6.4. Reference to other sections

Personal protection equipment: see section 8

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

#### General protective measures

Avoid explosion - before application obtain special instructions.

#### Hygiene measures

Clean skin thoroughly after working.

At work do not eat, drink and smoke.

Remove soaked clothing immediately.

#### Advice on protection against fire and explosion

The product is combustible.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Advice on storage compatibility

No information available.

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### Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

**Storage group** 10

**Fire class** B

### 7.3. Specific end use(s)

#### Recommendation(s) for intended use

See section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Respiratory protection

no

#### Hand protection

Gloves (oil-resistant)

#### Eye protection

safety goggles with side protection

#### Other protection measures

Oil-resistant protective clothing

#### Limitation and surveillance of the environment

Further information: see exposure scenarios attached to this safety data sheet.

#### Appropriate engineering controls

No information available.

## SECTION 9: Physical and chemical properties

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

#### Appearance

liquid

#### Colour

brown

#### Odour

characteristic

#### Odour threshold

not determined

#### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not determined				
<b>Boiling temperature / boiling range</b>	not determined				
<b>stock point</b>	-30 °C				
<b>Flash point</b>	220 °C			ASTM D 93	
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				

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	Value	Temperature	at	Method	Remark
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>	0,87 g/cm <sup>3</sup>	15 °C		DIN 51757	
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>	not determined				
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity kinematic</b>	57 mm <sup>2</sup> /s	40 °C		DIN 51562	
<b>Viscosity kinematic</b>	8,4 mm <sup>2</sup> /s	100 °C		DIN 51562	
<b>Oxidising properties</b>	No information available.				
<b>Explosive properties</b>	No information available.				
<b>9.2. Other information</b>	No information available.				

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

Reactions with oxidising agents.

### 10.4. Conditions to avoid

No information available.

### 10.5. Incompatible materials

#### Substances to avoid

No information available.

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### 10.6. Hazardous decomposition products

No information available.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 5000 mg/kg	rat	OECD 420	
<b>LD50 acute dermal</b>	> 2000 mg/kg	rabbit	OECD 402	
<b>LC50 acute inhalation</b>	> 5,53 mg/l (4 h)	rat	OECD 403	
<b>Skin irritation</b>		not determined		
<b>Eye irritation</b>		not determined		
<b>Skin sensitization</b>		not determined		
<b>Sensitization respiratory system</b>		not determined		

#### Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
<b>Subacute Toxicity</b>	not determined			
<b>Subchronic Toxicity</b>	not determined			
<b>Chronic Toxicity</b>	not determined			
<b>Mutagenicity</b>	not determined			
<b>Reproduction-Toxicity</b>	not determined			
<b>Carcinogenicity</b>	not determined			

#### Specific target organ toxicity (single exposure)

not determined

#### Specific target organ toxicity (repeated exposure)

not determined

#### Aspiration hazard

not determined

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### SECTION 12: Ecological information

#### 12.1. Toxicity

##### Ecotoxicological effects

	Value	Species	Method	Validation
<b>Fish</b>	LC50 > 100 mg/l			
<b>Daphnia</b>	EC50 > 10000 mg/l			
<b>Algae</b>	EC50 > 100 mg/l (72 h)			

#### 12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
<b>Physico-chemical degradability</b>			No information available.	
<b>Biological degradability</b>			No information available.	

#### 12.3. Bioaccumulative potential

No information available.

#### 12.4. Mobility in soil

No information available.

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Other adverse effects

No information available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste code No.	Name of waste
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

#### Recommendations for the product

Remove in accordance with local official regulations.

#### Recommendations for packaging

Totally emptied packaging may be taken for recycling.

### SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
<b>14.1. UN number</b>	-	-	-
<b>14.2. UN proper shipping name</b>		-	-
<b>14.3. Transport hazard class(es)</b>		-	-

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	ADR/RID	IMDG	IATA-DGR
<b>14.4. Packing group</b>	-	-	-
<b>14.5. Environmental hazards</b>	-	-	-
<b>14.6. Special precautions for user</b> No information available.			
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> not applicable			
<b>Land and inland navigation transport ADR/RID</b> No dangerous goods as defined by these transport regulations.			
<b>Marine transport IMDG</b> No dangerous goods as defined by these transport regulations.			
<b>Air transport ICAO/IATA-DGR</b> No dangerous goods as defined by these transport regulations.			
<b>Transport/further information</b> No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.			

## SECTION 15: Regulatory information

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

#### VOC standard

VOC content =0 %  
VOC value 0 g/L

#### National regulations

Water hazard class 1 self-classification

Decree for case of interference/  
remarks Accident decree, addendum II: not named.

### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

### Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

H304 May be fatal if swallowed and enters airways.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H411 Toxic to aquatic life with long lasting effects.  
H413 May cause long lasting harmful effects to aquatic life.