



Trade name: AVISTA Grease MZ

Substance number

Version: 3 / WORLD

Date revised: 01.07.2022

Replaces Version: 2 / WORLD

Print date: 01.07.22

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

### **1.1. Product identifier**

AVISTA Grease MZ

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

#### **Use of the substance/preparation**

Lubricants, greases and release products

#### **Identified Uses**

PC24

Lubricants, greases and release products

#### **Uses advised against**

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

#### **Address/Manufacturer**

AVISTA OIL Deutschland GmbH

Bahnhofstr. 82

31311 Uetze

Telephone no. + 495177 / 85 - 0

Information provided productmanagement (+49 5177 / 85 - 178 or 171)

by / telephone

E-mail address of msds@avista-oil.de

person responsible

for this SDS

### **1.4. Emergency telephone number**

CHEMTREC: +1-703-527-3887 (worldwide, 24h a day / 7 days a week)

+43 1 3649237 (Austria)

+32 2 808 32 37 (Belgium)

+359 32 570 104 (Bulgaria)

+420 228 880 039 (Czech Republic)

+45 69 91 85 73 (Denmark)

+49 69 643508409 (Germany)

+972 3-763-0639 (Israel)

+371 66 165 504 (Latvia)

+370 5 214 0238 (Lithuania)

+60 3-9212 5794 (Malaysia)

+389 2 551 7456 (Macedonia)

+31 85 888 0596 (The Netherlands)

+48 22 398 80 29 (Poland)

+40 376 300 026 (Romania)

+8 (800) 100-63-46 (Russia)

+46 8 525 034 03 (Sweden)

+386 1 888 80 16 (Slovenia)

+886 2 7741 4207 (Taiwan)

+380 94 710 1374 (Ukraine)

+36 1 808 8425 (Hungary)

## **SECTION 2: Hazards identification \*\*\***

### **2.1. Classification of the substance or mixture**

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.



Trade name: AVISTA Grease MZ

Substance number

Version: 3 / WORLD

Date revised: 01.07.2022

Replaces Version: 2 / WORLD

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## 2.2. Label elements

### Labelling according to regulation (EC) No 1272/2008

EUH208 Contains \*\*\* Polysulfide, Di-tert-dodecyl-, Naphthenic acids, zinc salts, basic, May produce an allergic reaction.

### Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

#### Supplemental information

EUH210 Safety data sheet available on request.

## 2.3. Other hazards

No special hazards have to be mentioned.

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

### 3.2. Mixtures

#### Hazardous ingredients (Regulation (EC) No. 1272/2008) \*\*\*

##### Polysulfide, Di-tert-dodecyl-

CAS No.	68425-15-0				
EINECS no.	270-335-7				
Registration no.	01-2119540516-41				
Concentration	>= 0,1	<	1	%	
Classification (Regulation (EC) No. 1272/2008)	Skin Sens. 1B				H317

##### Naphthenic acids, zinc salts, basic

CAS No.	84418-50-8				
EINECS no.	282-762-6				
Concentration	>= 0,1	<	1	%	
Classification (Regulation (EC) No. 1272/2008)	Skin Sens. 1				H317

#### Other information

The mineral oils in the product contain less than 3% DMSO extract (IP 346). Mixtures are not subject to registration.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove soiled or soaked clothing immediately, do not allow to dry. In all cases of doubt, or when symptoms persist, seek medical attention. If the patient is likely to become unconscious, place and transport in stable sideways position. Never give anything by mouth to an unconscious person.

#### After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In the event of symptoms take medical treatment.

#### After skin contact

After contact with skin, wash immediately with plenty of water and soap. Consult a doctor if skin irritation persists. If oils or fats get under the skin (e.g. from high-pressure devices), there is a risk of serious damage to health. Seek medical advice immediately.

#### After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical advice immediately.



Trade name: AVISTA Grease MZ

Substance number

Version: 3 / WORLD

Date revised: 01.07.2022

Replaces Version: 2 / WORLD

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Remove contact lenses. Shield unaffected eye.

**After ingestion**

Rinse out mouth and give plenty of water to drink. Do not induce vomiting - aspiration hazard. Summon a doctor immediately.

**Adhere to personal protective measures when giving first aid**

First aider: Pay attention to self-protection!

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

The following symptoms may occur: Shortness of breath, Headache, Dizziness, Nausea

**4.3. Indication of any immediate medical attention and special treatment needed****Hints for the physician / treatment**

Symptoms appear mostly after several hours.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Foam, Dry powder, Carbon dioxide, Sand

**Non suitable extinguishing media**

Full water jet

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

Carbon dioxide (CO<sub>2</sub>); Nitrogen oxides (NO<sub>x</sub>); Sulphur oxides; Carbon monoxide (CO); Pyrolysis products; Phosphorus oxides

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

In case of combustion use a suitable breathing apparatus.

**Other information**

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Do not inhale explosion and/or combustion gases. Cool endangered containers with water spray jet.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing. High risk of slipping due to leakage/spillage of product. Ensure adequate ventilation. Refer to protective measures listed in Sections 7 and 8.

**6.2. Environmental precautions**

Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

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

Pick up mechanically. When picked up, treat material as prescribed under Section 13 "Disposal". Clean contaminated floors and objects thoroughly, observing environmental regulations.

**6.4. Reference to other sections**

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**



Trade name: AVISTA Grease MZ

Substance number

Version: 3 / WORLD

Date revised: 01.07.2022

Replaces Version: 2 / WORLD

Print date: 01.07.22

**Advice on safe handling**

No special measures necessary if stored and handled as prescribed. Avoid inhalation of vapour and spray mist. Provide good ventilation of working area (local exhaust ventilation if necessary).

**Advice on protection against fire and explosion**

No special measures required.

**7.2. Conditions for safe storage, including any incompatibilities****Recommended storage temperature**

Value	0	40	°C
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**Requirements for storage rooms and vessels**

Keep only in original packaging. Storage rooms must be properly ventilated.

**Hints on storage assembly**

Do not store with strong oxidizing agents.

**Storage class according to TRGS 510**

Storage class according to TRGS 510	11	Combustible solids
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**Further information on storage conditions**

Keep in original containers. Protect from frost. Protect from heat and direct sunlight.

**7.3. Specific end use(s)**

Lubricants, greases and release products

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limit values****Polysulfide, Di-tert-dodecyl-**

List	TRGS 900
Value	5 mg/m <sup>3</sup>
Short term exposure limit	20 mg/m <sup>3</sup>

**Other information**

There are not known any further control parameters.

**8.2. Exposure controls****Exposure controls**

See Section 7. No measures exceeding the ones mentioned necessary.

**General protective and hygiene measures**

Avoid contact with skin and eyes. Take off immediately all contaminated clothing. Wash hands before breaks and after work. Keep separated from food-stuffs and feed-stocks.

**Respiratory protection**

Not necessary.

**Hand protection**

Depending on the concentration and quantity of hazardous substances, chemical protection gloves have to be selected in a specific workplace.

Use	Permanent hand contact
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Appropriate Material	nitrile
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Material thickness	0,12	mm
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Breakthrough time	4	h
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Hand protection must comply with EN 374.

**Eye protection**



Trade name: AVISTA Grease MZ

Substance number

Version: 3 / WORLD

Date revised: 01.07.2022

Replaces Version: 2 / WORLD

Print date: 01.07.22

Safety glasses

**Body protection**

Personnel should wear protective clothing.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Form</b>	solid		
<b>Colour</b>	beige		
<b>Odour</b>	characteristic		
<b>pH value</b>			
Remarks	Not applicable		
<b>Melting point</b>			
Value	>	175	°C
<b>Freezing point</b>			
Remarks	not determined		
<b>Initial boiling point and boiling range</b>			
Value	>	250	°C
<b>Flash point</b>			
Value	>	200	°C
<b>Upper/lower flammability or explosive limits</b>			
Remarks	not determined		
<b>Vapour pressure</b>			
Remarks	not determined		
<b>Vapour density</b>			
Remarks	not determined		
<b>Density</b>			
Value		0,95	g/cm <sup>3</sup>
Temperature		20	°C
<b>Solubility in water</b>			
Remarks	virtually insoluble		
<b>Partition coefficient: n-octanol/water</b>			
Remarks	not determined		
<b>Ignition temperature</b>			
Remarks	not determined		
<b>Viscosity</b>			
<b>kinematic</b>			
Remarks	not determined		

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

**10.2. Chemical stability**

Stable under recommended storage and handling conditions (see section 7).

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.



Trade name: AVISTA Grease MZ

Substance number

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Replaces Version: 2 / WORLD

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**10.4. Conditions to avoid**

Stable under recommended storage and handling conditions (see section 7).

**10.5. Incompatible materials**

Oxidising agents

**10.6. Hazardous decomposition products**

Refer to section 5.3.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

Remarks Based on available data, the classification criteria are not met.

**Acute dermal toxicity**

Remarks Based on available data, the classification criteria are not met.

**Acute inhalational toxicity**

Remarks Based on available data, the classification criteria are not met.

**Skin corrosion/irritation**

Remarks Frequent persistent contact with the skin can cause skin irritation.

Remarks Based on available data, the classification criteria are not met.

**Serious eye damage/irritation**

Remarks Based on available data, the classification criteria are not met.

Remarks Eye contact with the product may lead to irritation.

**Sensitization**

Remarks Based on available data, the classification criteria are not met.

**Mutagenicity**

Remarks Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Remarks Based on available data, the classification criteria are not met.

**Carcinogenicity**

Remarks Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT)**

Remarks Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Other information**

There are no details for the formulation/mixture itself.

It was classified in accordance with the calculation method of the directive (EC) No. 1272/2008 [CLP].

This mixture does not contain any substances with endocrine disrupting properties.

**SECTION 12: Ecological information****12.1. Toxicity****General information**

There are no data available on the mixture itself. The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as dangerous for the environment.



Trade name: AVISTA Grease MZ

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Replaces Version: 2 / WORLD

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**12.2. Persistence and degradability****General information**

There are no data available on the mixture itself.

**Biodegradability**

Remarks

The product vapours are heavier than air.

**12.3. Bioaccumulative potential****General information**

There are no data available on the mixture itself.

**Partition coefficient: n-octanol/water**

Remarks

not determined

**12.4. Mobility in soil****General information**

There are no data available on the mixture itself.

**12.5. Results of PBT and vPvB assessment****Evaluation of persistence and bioaccumulation potential**

The product contains no PBT or vPvB substances.

**12.6. Other adverse effects****General information**

This mixture does not contain any substances with endocrine disrupting properties.

**General information / ecology**

Do not discharge product unmonitored into the environment.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

Dispose of waste according to applicable legislation.

EWC waste code 12 01 12\* spent waxes and fats

**Disposal recommendations for packaging**

EWC waste code 15 01 10\* packaging containing residues of or contaminated by dangerous substances

Uncontaminated packaging may be taken for recycling.

Packaging that cannot be cleaned should be disposed off as product waste.

**SECTION 14: Transport information****Land transport ADR/RID**

Non-dangerous goods

**14.1. UN number**

UN -

**14.2. UN proper shipping name**

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**14.3. Transport hazard class(es)**

Class -

**14.4. Packing group**

Packing group -

**14.5. Environmental hazards**



Trade name: AVISTA Grease MZ

Substance number

Version: 3 / WORLD

Date revised: 01.07.2022

Replaces Version: 2 / WORLD

Print date: 01.07.22

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**Marine transport IMDG/GGVSee**

The product does not constitute a hazardous substance in sea transport.

**14.1. UN number**

UN -

**14.2. UN proper shipping name**

-

**14.3. Transport hazard class(es)**

Class -

**14.4. Packing group**

Packing group -

**Air transport ICAO/IATA**

The product does not constitute a hazardous substance in air transport.

**14.1. UN number**

UN -

**14.2. UN proper shipping name**

-

**14.3. Transport hazard class(es)**

Class -

**14.4. Packing group**

Packing group -

**14.5. Environmental hazards**

-

**Information for all modes of transport****14.6. Special precautions for user**

The relevant transport regulations have to be considered.

**Other information****14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

no

**SECTION 15: Regulatory information \*\*\*****15.2. Chemical safety assessment**

For this preparation a chemical safety assessment has not been carried out.

**SECTION 16: Other information****Hazard statements listed in Chapter 3**

H317 May cause an allergic skin reaction.

**CLP categories listed in Chapter 3**

Skin Sens. 1 Skin sensitization, Category 1

Skin Sens. 1B Skin sensitization, Category 1B

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.