



Trade name: PENNASOL SUPER PACE PLUS SAE 5W-40

Substance number

Version: 1 / GB

Date revised: 03.07.2018

Replaces Version: - / GB

Print date: 03.07.18

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

### **1.1. Product identifier**

PENNASOL SUPER PACE PLUS SAE 5W-40

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

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

Engine oil

#### **Uses advised against**

No applications known.

### **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 Product Management (+49 5177 / 85 -178 or -100)

by / telephone

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

person responsible

for this SDS

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

+49 (0)551 19240 (24h/d) GIZ-Nord Poisons Centre

This number is only available within office times:

+49 51 77 / 85 -178 or -100 (Mo - Do 9 - 15 h / Fr 9 - 12 h)

## **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.

### **2.2. Label elements**

#### **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**

Product can form a film on the water surface that can prevent oxygen exchange. Refer to section 11, 12 and 15.

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

### **3.2. Mixtures**

#### **Chemical characterization**

Mineral oil

Additive

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

##### **Calcium long-chain alkylphenate sulfide**

Concentration &gt;= 1 &lt; 10 %

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Classification (Regulation (EC) No. 1272/2008)  
 Aquatic Chronic 4 H413

**Zinkdialkyl-dithiophosphate**

CAS No. 68649-42-3

EINECS no. 272-028-3

Concentration &gt;= 1 &lt; 2,5 %

Classification (Regulation (EC) No. 1272/2008)  
 Skin Irrit. 2 H315  
 Eye Dam. 1 H318  
 Aquatic Chronic 2 H411

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Dam. 1 H318 > 10 %  
 Eye Irrit. 2 H319 >= 5 <= 10 %

**Phenol, 4-dodecyl-**

CAS No. 104-43-8

EINECS no. 203-202-9

Concentration &gt;= 0,1 &lt; 0,25 %

Classification (Regulation (EC) No. 1272/2008)  
 Skin Corr. 1C H314  
 Eye Dam. 1 H318  
 Repr. 1B H360F  
 Aquatic Acute 1 H400  
 Aquatic Chronic 1 H410

**Other information**

All concentrations are units of weight percent for liquids, and unit of volume percent for gaseous products. Other substances that are not classified to be hazardous, up to 100%. The mixture includes the substance with the CAS 265-157-1 or the substance with the CAS 276-738-4. Complete text of hazard statements in chapter 16. Mixtures are not subject to registration. The registration numbers of the ingredients in this mixture (if present) have been listed in item 3.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

In case of persistent symptoms consult doctor. Remove soiled or soaked clothing immediately, do not allow to dry. Never give anything by mouth to an unconscious person.

**After inhalation**

In the event of symptoms take medical treatment. Remove the casualty into fresh air and keep him calm.

**After skin contact**

After contact with skin, wash immediately with plenty of water and soap. Consult a doctor if skin irritation persists. Remove contaminated clothing.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

**After ingestion**

Do not induce vomiting - aspiration hazard. Summon a doctor immediately.

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



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First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

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

##### Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Foam, Dry powder, Carbon dioxide, Water spray jet

##### Non suitable extinguishing media

Water

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

In case of combustion evolution of dangerous gases possible. The hot product develops flammable fumes. In the event of fire the following can be released: Pyrolysis products; Hydrocarbons; Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO); Hydrogen sulfide (H<sub>2</sub>S); Nitrogen oxides (NO<sub>x</sub>); Phosphorus oxides; Smoke.

#### 5.3. Advice for firefighters

##### Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus. Wear full protective suit. Do not allow run-off from fire fighting to enter drains or water courses.

### **SECTION 6: Accidental release measures**

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

Ensure adequate ventilation. Exclude sources of ignition and ventilate the area. Avoid contact with skin, eyes and clothing. High risk of slipping due to leakage/spillage of product. Avoid breathing vapours.

#### 6.2. Environmental precautions

Do not allow to enter drains or waterways. Prevent spread over a wide area (e.g. by containment or oil barriers).

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

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). When picked up, treat material as prescribed under Section 13 "Disposal".

#### 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8. Information regarding waste disposal, see Section 13.

### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Avoid formation of oil dust. Hot product develops flammable vapours. Handle and open container with care. Avoid skin and eye contact.

##### Advice on protection against fire and explosion

Keep away from sources of heat and ignition. Do not smoke. Take precautionary measures against



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static discharge.

**Classification of fires / temperature class / Ignition group / Dust explosion class**

Classification of fires B (Combustible liquid substances)

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

Value &lt; 50 °C

**Requirements for storage rooms and vessels**

Keep only in original packaging.

**Hints on storage assembly**

Keep away from flammable substances.

**Storage class according to TRGS 510**

Storage class according to TRGS 510 10 Flammable liquids

**Further information on storage conditions**

Keep container tightly closed and dry. Keep in a cool place. Keep in original containers.

**SECTION 8: Exposure controls/personal protection****8.2. Exposure controls****Exposure controls**

Technical measures for preventing exposition. Organisational measures for preventing exposition. Provide adequate ventilation. The type of personal protective equipment must be selected depending on the concentration and quantity of the hazardous substance at the workplace.

**General protective and hygiene measures**

Observe the usual precautions for handling chemicals. Store work clothing separately. Wash hands before breaks and after work. Cloths contaminated with product should not be kept in trouser pockets. Do not eat, drink or smoke during work time. Personal protective equipment must comply with the Council Directive 89/686/EEC and the resulting CEN standards.

**Respiratory protection**

Not necessary, but do not inhale vapours. In situations where misting or flying may occur use appropriate certified respirators. Short term: filter apparatus, combination filter A-P2

**Hand protection**

For this purpose, protective gloves are suitable, for instance, made by the company KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail: vertrieb@kcl.de with the following specification (tested as per EN374):

Use Permanent hand contact

Camatril (Item No: 731; Material: Nitrile; Minimum layer thickness: 0.33 mm; Burst time: 480 min)

Dermatril (Item No: 740; Material: Nitrile; Minimum layer thickness: 0.11 mm; Burst time: 30 min)

The protective gloves to be used must comply with the specifications of the EU directive 89/686/EEC and the standard EN374 derived from it. The above mentioned burst times are based on laboratory measurements of KCL made as per EN 374 and are applicable only for this KCL product.

Preventive skin protection by protective skin ointment.

**Eye protection**

Tightly fitting safety glasses; Eye protection must comply with EN 166.

**Body protection**

Clothing as usual in the chemical industry. Protective gloves resistant to chemicals; With steel toe cap.

**SECTION 9: Physical and chemical properties**



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**9.1. Information on basic physical and chemical properties****Flash point**

Value	> 220	°C
Method	DIN ISO 2592	

**Pour Point**

Value	-33	°C
Method	DIN/ISO 3016	

**Upper/lower flammability or explosive limits**

Lower explosion limit	0,6	%(V)
Upper explosion limit	6,5	%(V)

**Density**

Value	0,845	to	0,855	g/cm <sup>3</sup>
Temperature	15	°C		

**Solubility in water**

Remarks	insoluble
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**Viscosity****kinematic**

Value	87,1	mm <sup>2</sup> /s
Temperature	40	°C

**kinematic**

Value	14,9	mm <sup>2</sup> /s
Temperature	100	°C

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

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

**10.2. Chemical stability**

No hazardous reactions known.

**10.3. Possibility of hazardous reactions**

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

**10.4. Conditions to avoid**

Oxidising agents

**10.5. Incompatible materials**

None known

**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.
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**Acute dermal toxicity**

Remarks	Based on available data, the classification criteria are not met.
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**Acute inhalational toxicity**



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Remarks	Based on available data, the classification criteria are not met.
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**Skin corrosion/irritation**

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

Remarks	Based on available data, the classification criteria are not met.
Remarks	May cause sensitization by skin contact.

**Mutagenicity**

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

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

Remarks	Based on available data, the classification criteria are not met.
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**Specific Target Organ Toxicity (STOT)**

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

There are no details for the formulation/mixture itself.

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

Harmful to aquatic life. There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

**12.2. Persistence and degradability****Biodegradability**

Remarks	The product is not readily biodegradable according to OECD criteria but is inherently biodegradable.
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**12.3. Bioaccumulative potential****General information**

There are no data available on the mixture itself.

**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 ingredients of this formulation do not comply with the criteria for the classification as PBT or vPvB.

**12.6. Other adverse effects****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**



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EWC waste code 13 02 05\* mineral-based non-chlorinated engine, gear and lubricating oils

Dispose of as hazardous waste.

### Disposal recommendations for packaging

EWC waste code 13 02 05\* mineral-based non-chlorinated engine, gear and lubricating oils

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

EWC waste code 13 02 05\* mineral-based non-chlorinated engine, gear and lubricating oils

Uncontaminated packaging may be taken for recycling.

## **SECTION 14: Transport information**

### Information for all modes of transport

#### 14.6. Special precautions for user

Non-dangerous goods

## **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

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H360F	May damage fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

### CLP categories listed in Chapter 3

Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Aquatic Chronic 4	Hazardous to the aquatic environment, chronic, Category 4
Eye Dam. 1	Serious eye damage, Category 1
Repr. 1B	Reproductive toxicity, Category 1B
Skin Corr. 1C	Skin corrosion, Category 1C
Skin Irrit. 2	Skin irritation, Category 2

### 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.