

Trade name: PENNASOL SUPER FLUID ATF DCT

Substance number: FERT-171958

Version: 4 / GB

Date revised: 05.06.2018

Replaces Version: 3 / GB

Print date: 05.06.18

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

### **1.1. Product identifier**

PENNASOL SUPER FLUID ATF DCT

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

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

Automatic gear 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**

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

EUH208 Contains C14-18 alpha-olefin epoxide, reaction products with boric acid, 2-ethylhexyl methacrylate, 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**

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



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**Hazardous ingredients (Regulation (EC) No. 1272/2008)****Isooctadecanoic acid, reaction products with tetraethylenepentamine**

CAS No.	68784-17-8		
EINECS no.	272-225-4		
Registration no.	01-2119960832-33		
Concentration	>=	1	< 10 %

Classification (Regulation (EC) No. 1272/2008)

Eye Irrit. 2	H319
Skin Irrit. 2	H315

**Reaction products of Benzeneamine, N-phenyl- with nonene (branched)**

CAS No.	36878-20-3		
EINECS no.	253-249-4		
Registration no.	01-2119488911-28		
Concentration	>=	1	< 10 %

Classification (Regulation (EC) No. 1272/2008)

Aquatic Chronic 4	H413
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**1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol**

EINECS no.	293-927-7		
Registration no.	01-2119976351-35		
Concentration	>=	1	< 10 %

Classification (Regulation (EC) No. 1272/2008)

Aquatic Chronic 3	H412
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**C14-18 alpha-olefin epoxide, reaction products with boric acid**

EINECS no.	939-580-3		
Registration no.	01-2119976364-28-XXXX		
Concentration	>=	0,1	< 1 %

Classification (Regulation (EC) No. 1272/2008)

Skin Sens. 1B	H317
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**2-ethylhexyl methacrylate**

CAS No.	688-84-6		
EINECS no.	211-708-6		
Registration no.	01-2119490166-35		
Concentration	>=	0,1	< 1 %

Classification (Regulation (EC) No. 1272/2008)

STOT SE 3	H335
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Aquatic Chronic 3	H412
Skin Sens. 1B	H317

**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%. This mixture does not include any ingredients that have been classified to be hazardous whose concentrations exceed the limit values described in point 3.2.2 (Annex II, Regulation 1907/2006/EC. Complete text of hazard statements



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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**

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,



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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****9.1. Information on basic physical and chemical properties****Initial boiling point and boiling range**

Value	>	300		°C
Remarks		not determined		

**Flash point**

Value	>	180		°C
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**Pour Point**

Value		-48		°C
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**Upper/lower flammability or explosive limits**

Remarks	not determined
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**Density**

Value	0,852	to	0,862	g/cm <sup>3</sup>
Temperature	15	°C		

**Solubility in water**

Remarks	not determined
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**Ignition temperature**

Remarks	not determined
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**Viscosity****kinematic**

Value	6,2	to	7,2	mm <sup>2</sup> /s
Temperature	100	°C		

**kinematic**

Value	36			mm <sup>2</sup> /s
Temperature	40	°C		

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

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



Trade name: PENNASOL SUPER FLUID ATF DCT

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**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****Other information**

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

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

**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.

**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.

**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].

**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 conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.



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## 12.2. Persistence and degradability

### Biodegradability

Remarks

The product is not readily biodegradable according to OECD criteria but is inherently biodegradable.

## 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

EWC waste code	13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
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The waste code numbers/waste designations are to be assigned in accordance with EWC with reference to industrial fields and processes.

EWC waste code	13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
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Disposal as per EC directive 75/442/ECC and 91/689/ECC on waste and hazardous waste in the current versions as amended from time to time.

EWC waste code	13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
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Disposal as per EC directive 75/442/ECC and 91/689/ECC on waste and hazardous waste in the current versions as amended from time to time.

#### Disposal recommendations for packaging

EWC waste code	13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
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Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

EWC waste code	13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
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Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

## SECTION 14: Transport information

### Information for all modes of transport

#### 14.6. Special precautions for user

Non-dangerous goods



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## **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**

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

### **CLP categories listed in Chapter 3**

Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment, chronic, Category 4
Eye Irrit. 2	Eye irritation, Category 2
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1B	Skin sensitization, Category 1B
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

### **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.