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

1.1. Product identifier

AVISTA peer EVO ATF CVT

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

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 by / telephone	productmanagement (+49 5177 / 85 - 178 or 171)
E-mail address of person responsible for this SDS	msds@avista-oil.de

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.

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

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

Long-chain alkyl amine

CAS No. 124-28-7
EINECS no. 204-694-8
Concentration >= 0,01 < 0,1 %
Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H302	
Skin Corr. 1B	H314	
Aquatic Acute 1	H400	
Eye Dam. 1	H318	
Aquatic Acute 1	H400	
Aquatic Chronic 1	H410	

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

Aquatic Acute 1	H400	M = 10
Aquatic Chronic 1	H410	M = 1

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol

CAS No. 95-38-5
EINECS no. 202-414-9
Registration no. 01-2119777867-13
Concentration >= 0,01 < 0,1 %
Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H302	
Skin Corr. 1C	H314	
STOT RE 2	H373	Gastrointestinal tract; Route of exposure: oral
Aquatic Acute 1	H400	
Aquatic Chronic 1	H410	
Eye Dam. 1	H318	

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

Aquatic Acute 1	H400	M = 10
Aquatic Chronic 1	H410	M = 1

Further hazardous ingredients

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based

CAS No. 72623-87-1
EINECS no. 276-738-4
Registration no. 01-2119474889-13
Concentration 80 90 %
Classification (Regulation (EC) No. 1272/2008)

Asp. Tox. 1	H304

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified

CAS No.	64742-54-7		
EINECS no.	265-157-1		
Registration no.	01-2119484627-25		
Concentration	80	90	%

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

Asp. Tox. 1	H304

Other information

The mixture includes the substance with the CAS 64742-54-7 or the substance with the CAS 72623-87-1. 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 in chapter 16 Mixtures are not subject to registration.

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

Remove the casualty into fresh air and keep him calm. 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. 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 / treatment

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, Dry powder, Carbon dioxide, Water spray jet

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Pyrolysis products; Hydrocarbons; Carbon dioxide (CO_2); Carbon monoxide (CO); Hydrogen sulfide (H_2S); Nitrogen oxides (NO_x); 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.

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 action to prevent static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value	<	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

7.3. Specific end use(s)

see product information

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Distillates (petroleum), hydrotreated lightparaffinic

List	EU	
Type	TWA	
Value	5	mg/m³

Other information

There are not known any further control parameters.

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.

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, 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):
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 a re applicable only for this KCL product.
Preventive skin protection by protective skin ointment.

Eye protection

Tightly fitting safety glasses

Body protection

Clothing as usual in the chemical industry. Protective gloves resistant to chemicals

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	liquid
Colour	yellow to brown
Odour	characteristic

Melting point

Remarks	not determined

Freezing point

Remarks	not determined

Initial boiling point and boiling range

Remarks	not determined

Flammability (solid, gas)

Not applicable

Upper/lower flammability or explosive limits

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

Flash point

Value	>	180			°C

Pour Point

Value		°C			

Ignition temperature

Remarks	not determined

Decomposition temperature

Remarks	not determined

pH value

Remarks	Not applicable

Viscosity

kinematic

Value	7,0	to	8,4	mm²/s
Temperature	100	°C		

kinematic

Value	40			mm²/s
Temperature	40	°C		

Solubility(ies)

Remarks	virtually insoluble

Partition coefficient: n-octanol/water

Remarks	not determined

Vapour pressure

Remarks	not determined

Density

Value	0,825	to	0,845	g/cm³
Temperature	15	°C		

Vapour density

Remarks	not determined

Particle characteristics

Remarks	Not applicable

9.2. Other information

Other information

None known

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

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

Decomposition temperature

Remarks not determined

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 Based on available data, the classification criteria are not met.
Remarks Frequent persistent contact with the skin can cause skin irritation.

Serious eye damage/irritation

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

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.

11.2 Information on other hazards

Endocrine disrupting properties with respect to humans

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Other information

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

12.2. Persistence and degradability

General information

There are no data available on the mixture itself.

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.

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 persistance and bioaccumulation potential

The product contains no PBT or vPvB substances.

12.6. Other adverse effects

Endocrine disrupting properties with respect to the envrionment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. 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

Dispose of as hazardous waste.
The waste code numbers/waste designations are to be assigned in accordance with EWC with reference to industrial fields and processes.
Dispose of waste according to applicable legislation.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off as product waste.
Uncontaminated packaging may be taken for recycling.
Completely emptied packagings can be given for recycling.

SECTION 14: Transport information

Land transport ADR/RID

The product does not constitute a hazardous substance in land 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
-

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

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1

Eye Dam. 1	Serious eye damage, Category 1
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Corr. 1C	Skin corrosion, Category 1C
STOT RE 2	Specific target organ toxicity - repeated exposure, 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.