

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**AVISTA Kernsolvat KS 150**

Print date: 19.06.2017

Product code: 150015ART

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

AVISTA Kernsolvat KS 150

CAS No: 64741-88-4  
Index No: 649-454-00-7  
EC No: 265-090-8

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

Base oil for further processing  
Consideration of the proposed by CONCAWE identified uses.  
It is not required to list the identified uses because the substance must not be registered according to REACH.

**Uses advised against**

No uses known.

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

Company name: AVISTA OIL Refining & Trading Deutschland GmbH  
Street: Bahnhofstraße 82  
Place: D-31311 Uetze  
Telephone: +49 5177 / 85 - 0  
e-mail: info@avista-oil.de  
Internet: www.avista-oil.de  
Responsible Department: Produktmanagement (msds@avista-oil.de)

**1.4. Emergency telephone number:**

Poison Center North (GIZ) pharmacological toxicological service centre of the University of Göttingen Robert-Koch-Straße 40 D-37075 Göttingen + 49 (0) 551 19240 (24 h / d)  
This number is serviced during office hours.:  
Mo - Do 9 - 15 h, Fr 9 - 12 h  
+49 5177 / 85 - 372

**Further Information**

The substance does not require registration according to Regulation (EC) No 1907/2006 [REACH]. [Article 2.7 d]

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This substance is not classified as hazardous according to Regulation (EC) No. 1272/2008.

**2.2. Label elements****2.3. Other hazards**

Product can build up a film on the water surface which can inhibit the oxygen exchange. See also sections 11, 12 and 15.

**SECTION 3: Composition/information on ingredients****3.1. Substances****Further Information**

Full text of R- and H-phrases: see section 16.  
DMSO extract: <3%

**SECTION 4: First aid measures**

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**4.1. Description of first aid measures****General information**

In all cases of doubt, or when symptoms persist, seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

**After inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated clothing immediately and dispose off safely. In case of skin irritation, seek medical treatment.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

**After ingestion**

Do NOT induce vomiting. Call a physician immediately. Aspiration hazard:

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

No data available.

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

No data available.

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

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

Foam.

Dry extinguishing powder.

Use water spray jet to protect personnel and to cool endangered containers.

**Unsuitable extinguishing media**

Water.

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

The formation of combustible vapours is possible at temperatures above: Flash point.

Hot product may produce flammable vapours.

In case of fire may be liberated:

Pyrolysis products, toxic.

hydrocarbons.

Carbon dioxide.

Carbon monoxide.

Hydrogen sulphide (H<sub>2</sub>S).

Nitrogen oxides (NO<sub>x</sub>).

Phosphorus oxides.

Smoke.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

Full protective suit.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**Additional information**

B: Burning liquid or melting substances.

**SECTION 6: Accidental release measures**

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

Provide adequate ventilation as well as local exhaustion at critical locations.

Keep away from sources of ignition. - No smoking.

Avoid contact with skin and eyes.

Conditions to avoid: Inhalation.

Do not put any product-impregnated cleaning rags into your trouser pockets.

High slip hazard because of leaking or spilled product.

**6.2. Environmental precautions**

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not empty into drains.

If product enters soil, it will be mobile and may contaminate groundwater.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

See section 8 & 13.

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

See section 6.1

Avoid contact with skin and eyes.

Keep away from sources of ignition. - No smoking.

Wash hands before breaks and after work.

All work processes must always be designed so that the following is excluded:

Generation/formation of mist

**Advice on protection against fire and explosion**

Take precautionary measures against static discharges.

**Further information on handling**

Do not put any product-impregnated cleaning rags into your trouser pockets.

The formation of combustible vapours is possible at temperatures above: Flash point

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep/Store only in original container.

**Advice on storage compatibility**

Do not store together with:

Spontaneous combustion.

**Further information on storage conditions**

Protect from moisture.

Keep in a cool place.

Keep only in the original container at temperature not exceeding 50 °C.

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

Observe technical data sheet.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.2. Exposure controls**

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#### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

#### Protective and hygiene measures

Take off immediately all contaminated clothing.

Wash hands before breaks and after work. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.

#### Eye/face protection

Tightly sealed safety glasses.

German Industry Norms (DIN) / European Norms (EN): DIN EN 166

#### Hand protection

Examples of suitable protective gloves from the company KCL GmbH, D-36124 oak cellular, phone +49 (0) 6659 87300, E-mail are: vertrieb@kcl.de with the following specification (test according to EN 374

In full contact / splash contact:

Camatril (Item no.: 731; material: nitrile, Minimum coat thickness: 0.33 mm, Breakthrough time: 480 min)

Dermatril (Item no.: 740; material: nitrile, Minimum coat thickness: 0.11 mm, Breakthrough time: 30 min)

The selected protective gloves have to satisfy the specifications of EU Directive 89/686 / EEC and the resultant standard EN374. The breakthrough times stated above are based on laboratory measurements of KCL to EN374 and are only authoritative for the recommended glove types.

Protect skin by using skin protective cream.

#### Skin protection

The type of personal protection equipment has to be chosen based on the concentration and amount of the dangerous substance at the workplace. For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Chemical resistant safety shoes. with lead protection cap.

German Industry Norms (DIN) / European Norms (EN): DIN EN 344

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Generation/formation of mist: Filtering device with filter or ventilator filtering device of type: A-P2.

#### Environmental exposure controls

Technical measures to prevent exposure.

Organisational measures to prevent exposure.

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	light yellow
Odour:	characteristic

#### Test method

#### Changes in the physical state

Initial boiling point and boiling range:	> 300 °C	
Flash point:	> 200 °C	DIN EN ISO 2719
Lower explosion limits:	0,6 vol. %	
Upper explosion limits:	6,5 vol. %	
Density (at 15 °C):	0,852 - 0,865 g/cm <sup>3</sup>	DIN 53217
Viscosity / kinematic: (at 40 °C)	22 - 46 mm <sup>2</sup> /s	DIN 51562

### 9.2. Other information

No data available.

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

See section 9.

**10.2. Chemical stability**

If product is stored and handled as prescribed it is stable.

**10.3. Possibility of hazardous reactions**

The formation of combustible vapours is possible at temperatures above: Flash point

**10.4. Conditions to avoid**

Oxidizing agents, strong.

**10.5. Incompatible materials**

No data available.

**10.6. Hazardous decomposition products**

See section 5.3.

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

Classification: none.

**Irritation and corrosivity**

Classification: none.

**Sensitising effects**

Classification: none.

**STOT-single exposure**

Classification: none.

**STOT-repeated exposure**

Classification: none.

**Additional information on tests**

Frequently or prolonged contact with skin may cause dermal irritation.

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

Classification: none.

**12.2. Persistence and degradability**

Not easily bio-degradable (according to OECD-criteria).

Product is not easily biodegradable. (Data apply to the main component.)

**12.3. Bioaccumulative potential**

May accumulate in organisms.

**12.4. Mobility in soil**

Adsorption

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

Classification: none.

**12.6. Other adverse effects**

Effects in sewage plants: Mechanical separation in a suitable sewage plant is possible.

**SECTION 13: Disposal considerations**

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**13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".

Observe mixture permissions according to "Altölverordnung (Waste oil directive)".

Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

**Waste disposal number of waste from residues/unused products**

130205 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils  
Classified as hazardous waste.

**Waste disposal number of used product**

130205 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils  
Classified as hazardous waste.

**Contaminated packaging**

Dispose of waste according to applicable legislation.

Non-contaminated packages may be recycled.

Packing which cannot be properly cleaned must be disposed of.

**SECTION 14: Transport information****Other applicable information**

No dangerous good in sense of these transport regulations.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

**15.2. Chemical safety assessment**

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

**SECTION 16: Other information****Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.