

Safety Data Sheet

according to Regulation (EC) No 1907/2006

AVISTA Kernsolvat KS 100

Print date: 19.06.2017

Product code: 150014ART

Page 1 of 6

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

AVISTA Kernsolvat KS 100

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

AVISTA Kernsolvat KS 100

Print date: 19.06.2017

Product code: 150014ART

Page 2 of 6

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 (CO₂).

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 (H₂S).

Nitrogen oxides (NO_x).

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

AVISTA Kernsolvat KS 100

Print date: 19.06.2017

Product code: 150014ART

Page 3 of 6

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**

Safety Data Sheet

according to Regulation (EC) No 1907/2006

AVISTA Kernsolvat KS 100

Print date: 19.06.2017

Product code: 150014ART

Page 4 of 6

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 ³	DIN 53217
Viscosity / kinematic: (at 40 °C)	22 - 46 mm ² /s	DIN 51562

9.2. Other information

No data available.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

AVISTA Kernsolvat KS 100

Print date: 19.06.2017

Product code: 150014ART

Page 5 of 6

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

AVISTA Kernsolvat KS 100

Print date: 19.06.2017

Product code: 150014ART

Page 6 of 6

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.