

SAFETY DATA SHEET

Safety data sheet according to (EC) No. 1907/2006.

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

1.1. Product identifier:

AVISTA Green Kernsolvat KS 150

Substance name: Distillates (petroleum),solvent-refined, heavy paraffinic

CAS-no.: 64741-88-4

EC-no.: 265-090-8

Index-no.: 649-454-00-7

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

Base oil for further processing.

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

AVISTA Green ApS

Juelsmindevej 6-18

Tel.: +45 59 56 56 44

4400 Kalundborg

Fax: +45 59 56 56 88

Denmark

Responsible for the safety data sheet (e-mail): avista@avista-oil.dk

1.4. Emergency telephone number:

UK: NHS (England or Wales): Dial 111 or 0845 4647 NHS 24 (Scotland): Dial 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

Base oil.

CLP (1272/2008): Not classified.

2.2. Label elements:

None.

2.3. Other hazards:

Risk of slip-and-fall injuries.

PBT/vPvB: The ingredients are not considered PBT/vPvB according to criteria in Annex XIII.

Endocrine disrupting properties: The substances are not identified as having endocrine disrupting properties in accordance with the criteria set out in Regulation 2017/2100 or Regulation 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances:

% w/w	Substance name	CAS-no.	EC-no.	Index-no.	REACH reg.-no.	Classification	Note
100	Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	265-090-8	649-454-00-7	-	None	1

1) Contains <3% DMSO extract as measured by IP 346

SECTION 4: First-aid measures

4.1. Description of first aid measures:

Inhalation: Remove to fresh air. Keep at rest. In case of discomfort: Seek medical advice.

Skin contact: Remove contaminated clothing and wash with soap and water. If irritation persists: Seek medical advice.

Eye contact: Flush with water or physiological salt water, holding eye lids open, remember to remove contact lenses, if any. If irritation persists: Seek medical advice.

Ingestion: Rinse mouth and drink plenty of water. Keep at rest. In case of discomfort: Seek medical advice.

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

May cause slight skin and eye irritation. By ingestion: Can potentially irritate the mucous membranes of the gastrointestinal tract and possibly cause nausea, vomiting, and diarrhea.

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

Show this safety data sheet to a physician or emergency ward.

SECTION 5: Firefighting measures

5.1. Extinguishing media:

Use water spray (never water jet), dry chemical, foam or carbon dioxide.

5.2. Special hazards arising from the substance or mixture:

Avoid inhalation of fumes. In case of fire the product may form hazardous decomposition products such as carbon oxides.

5.3. Advice for firefighters:

Remove containers if possible or keep containers cool by spraying with water. When extinguishing fires use breathing apparatus with an independent source of air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment - see section 8.

6.2. Environmental precautions:

Do not empty into drains. Inform the local environmental authorities of any release into the environment.

6.3. Methods and material for containment and cleaning up:

Spills form a slippery surface on contact with water (risk of slip-and-fall injuries). Absorb spilled liquid with a cloth, inert material, or similar. Place in a suitable container for disposal. Wash with a strong detergent. Further handling of spillage - see section 13.

6.4. Reference to other sections:

See above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling:

Avoid breathing vapours or aerosols. Provide adequate ventilation. Avoid contact with skin, eyes and clothing. Rinse if skin is contaminated. Change contaminated clothes immediately. Avoid strong heating.

7.2. Conditions for safe storage, including any incompatibilities:

In sealed container in a dry, cool, and well-ventilated location.

7.3. Specific end use(s):

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters:

UK: Occupational exposure limits (EH40/2020):

Substance	8-hour TWA	15-min STEL	Comments
Oil mist, mineral	5 mg/m ³	10 mg/m ³	-

DNEL/PNEC: No CSR.

8.2. Exposure controls:

Appropriate engineering controls: None.

Personal protective equipment:

Respiratory protection: Normally not necessary. In case of aerosol formation: Use an approved mask with type P2 particle filter (EN 149). The filter has a limited lifetime and must be changed. Read the manufacturer's instructions.

Skin protection: Wear protective gloves of e.g. PVA or nitrile rubber (EN374). Breakthrough time > 8 hours.

Eye protection: Wear tightly fitting safety goggles (EN 166) or full face shield (EN 175) when there is risk of splashes.

Environmental exposure controls: None.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

Physical state:	Liquid
Colour:	Pale yellow
Odour:	Hydrocarbon
Melting point/freezing point (°C):	Not determined
Boiling point or initial boiling point and boiling range (°C):	> 300
Flammability (solid, gas):	Not relevant
Lower and upper explosion limit (vol-%):	0.6-6.5
Flash point (°C):	> 220 (ISO 2592)
Auto-ignition temperature (°C):	Not relevant
Decomposition temperature (°C):	Not determined
pH:	Not determined
Kinematic viscosity (mm ² /s at 40°C):	28.5-31 (ISO 3104)
Solubility:	Insoluble in water
Partition coefficient n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density:	0.840-0.860 (ISO 12185)
Relative vapour density:	Not determined
Particle characteristics:	Not determined
9.2. Other information:	None relevant

SECTION 10: Stability and reactivity

10.1. Reactivity:

No available information.

10.2. Chemical stability:

Stable under normal conditions (see section 7).

10.3. Possibility of hazardous reactions:

No available information.

10.4. Conditions to avoid:

Strong heating.

10.5. Incompatible materials:

Strong oxidizers.

10.6. Hazardous decomposition products:

When heated to very high temperatures (decomposition) it emits toxic gases: carbon oxides.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008:

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

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

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

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

No data for the product – literature data for Distillates (petroleum), solvent-refined, heavy paraffinic:

Hazard class	Data	Test	Data source
Acute toxicity:			
Inhalation	LC ₅₀ (rat) > 5000 mg/m ³	OECD 403	ECHA
Dermal	LD ₅₀ (rabbit) > 5000 mg/kg	OECD 402	ECHA
Oral	LD ₅₀ (rat) > 5000 mg/kg	OECD 401	ECHA
Corrosion/irritation:	Slight skin and eye irritation, rabbit	OECD 404, 405	ECHA
Sensitization:	No sensitization.	OECD 406	ECHA
CMR:	No relevant data available.	-	-

SECTION 11: Toxicological information (continued)

Information on likely routes of exposure: Gastrointestinal tract.

Symptoms:

Inhalation: Inhalation is not likely at ambient temperature due to low volatility. Vapours/aerosols can irritate the respiratory tract and cause malaise, headache, drowsiness and dizziness.

Skin: Prolonged or repeated contact may cause defatting. The oil may give rise to oil acne and abscesses, which is localized to the places where the garments greased rubs against the skin.

Eyes: May cause irritation with redness, stinging, pain and maybe blurred vision.

Ingestion: May irritate the mucous membranes of the gastrointestinal tract and possible cause nausea, vomiting and diarrhoea.

Chronic effects: Prolonged or repeated skin contact may cause dermatitis with the risk of cracking, redness and itching.

11.2. Information on other hazards: None known.

SECTION 12: Ecological information

12.1. Toxicity:

No data for the product – literature data for Distillates (petroleum), solvent-refined, heavy paraffinic:

Aquatic	Data	Test (Media)	Reference
Fish	LC ₅₀ (Pimephales promelas, 96h) > 100 mg/l	OECD 203	ECHA
Crustacean	EC ₅₀ (Daphnia magna, 48h) > 10.000 mg/l	OECD 202	ECHA
Algae	EC ₅₀ (Pseudokirchneriella subcapitata, 72h) > 100 mg/l	OECD 201	ECHA

12.2. Persistence and degradability:

Not expected to be rapidly degradable.

12.3. Bioaccumulative potential:

Contains substances that may bioaccumulate

12.4. Mobility in soil:

No available data. The substance floats on water. It bonds strongly to soil and sediment and therefore spreads slowly.

12.5. Results of PBT and vPvB assessment:

The ingredients are not considered PBT/vPvB according to criteria in Annex XIII.

12.6. Endocrine disrupting properties:

None known.

12.7. Other adverse effects:

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

Disposal should be according to local, state or national legislation. Dispose through authority facilities or pass to a chemical disposal company.

EWC-Code: 12 01 12 (reagent) and 15 02 03 (Paper and similar contaminated with the reagent)

SECTION 14: Transport information

Not dangerous goods (ADR/RID/IMDG/IATA).

14.1. UN number or ID number: None.

14.2. UN proper shipping name: None.

14.3. Transport hazard class(es): None.

14.4. Packing group: None.

14.5. Environmental hazards: No.

14.6. Special precautions for user: None.

14.7. Maritime transport in bulk according to IMO instruments: Not relevant.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

None.

15.2. Chemical safety assessment:

No CSR.

SECTION 16: Other information

Abbreviations:

CMR = Carcinogenicity, mutagenicity og reproductive toxicity.

CSR = Chemical Safety Report

DNEL = Derived No-Effect Level

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

Literature:

REACH Registration dossier.

Training advice:

No special training is required. However, the user should be well instructed in the execution of the task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

Changes since the previous edition:

Not relevant.

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