



Trade name: MOTOR GOLD Ecotec SAE 10W-60

Substance number

Version: 1 / GB

Date revised: 17.09.2018

Replaces Version: - / GB

Print date: 25.09.18

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

1.1. Product identifier

MOTOR GOLD Ecotec SAE 10W-60

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

Use of the substance/preparation

Engine 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

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

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

Zinkdialkyl-dithiophosphate

CAS No. 68649-42-3



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EINECS no. 272-028-3
 Concentration >= 1 < 2,5 %

Classification (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315
 Eye Dam. 1 H318
 Aquatic Chronic 2 H411

Concentration limits (Regulation (EC) No. 1272/2008)
 Eye Dam. 1 H318 > 10 <= 100 %
 Eye Irrit. 2 H319 5 <= 10 %

Calcium long-chain alkylphenate sulfide

CAS No. CONFIDENTAL
 Concentration >= 1 < 10 %

Classification (Regulation (EC) No. 1272/2008)
 Aquatic Chronic 4 H413

Phenol, 4-dodecyl-

CAS No. 104-43-8
 EINECS no. 203-202-9
 Concentration >= 0,1 < 0,25 %

Classification (Regulation (EC) No. 1272/2008)
 Skin Corr. 1C H314
 Eye Dam. 1 H318
 Repr. 1B H360F
 Aquatic Acute 1 H400
 Aquatic Chronic 1 H410

Other information

Test data verify that the zinc dialkyl dithiophosphate does not cause the classification of the product as "Eye irritant 2". 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%. Complete text of hazard statements 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.



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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.

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 (CO₂); Carbon monoxide (CO); Hydrogen sulfide (H₂S); 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. Information regarding waste disposal, see Section 13.

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 precautionary measures against static discharge.

Classification of fires / temperature class / Ignition group / Dust explosion class

Classification of fires

B (Combustible liquid substances)

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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. Keep in original containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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. Personal protective equipment must comply with the Council Directive 89/686/EEC and the resulting CEN standards.

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, 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



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9.1. Information on basic physical and chemical properties

Form liquid
Colour brown
Odour characteristic

Initial boiling point and boiling range

Value > 320 °C

Flash point

Value \geq 200 °C
 Method DIN ISO 2592

Pour Point

Value -39 °C
 Method DIN/ISO 3016

Upper/lower flammability or explosive limits

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

Density

Value 0,853 to 0,863 g/cm³
 Temperature 15 °C

Solubility in water

Remarks insoluble

Viscosity**kinematic**

Value 175 mm²/s
 Temperature 40 °C

kinematic

Value 24,4 mm²/s
 Temperature 100 °C

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

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

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

Refer to section 5.3.

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

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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.

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**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**



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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.

Disposal recommendations for packaging

| | | |
|----------------|-----------|---|
| EWC waste code | 13 02 05* | mineral-based non-chlorinated engine, gear and lubricating oils |
|----------------|-----------|---|

Packaging that cannot be cleaned should be disposed off as product waste.

| | | |
|----------------|-----------|---|
| EWC waste code | 13 02 05* | mineral-based non-chlorinated engine, gear and lubricating oils |
|----------------|-----------|---|

Uncontaminated packaging may be taken for recycling.

SECTION 14: Transport information

Information for all modes of transport

14.6. Special precautions for user

Non-dangerous goods

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

| | |
|-------|---|
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H360F | May damage fertility. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H413 | May cause long lasting harmful effects to aquatic life. |

CLP categories listed in Chapter 3

| | |
|-------------------|---|
| Aquatic Acute 1 | Hazardous to the aquatic environment, acute, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment, chronic, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment, chronic, Category 2 |
| Aquatic Chronic 4 | Hazardous to the aquatic environment, chronic, Category 4 |
| Eye Dam. 1 | Serious eye damage, Category 1 |
| Repr. 1B | Reproductive toxicity, Category 1B |
| Skin Corr. 1C | Skin corrosion, Category 1C |
| Skin Irrit. 2 | Skin irritation, 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.