

**Safety data sheet**  
according to 1907/2006/EC, Article 31

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Printing date 29.08.2023

Version number 2

Revision: 19.07.2021

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** ATF DCT**1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

**Application of the substance / the mixture** Gear oil**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**Hengst SE  
Nienkamp 55-85  
48147 Münster  
Germany

T +49 (0)251 20 20 2-0

F +49 (0)251 20 20 2-646

**Further information obtainable from:** oil@hengst.com**1.4 Emergency telephone number:**

Informationszentrale gegen Vergiftungen Uni - Klinikum Bonn; Notfall - Nr.: +49 228 19 240

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

The product is not classified, according to the CLP regulation.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**Additional information:**

Contains 2,5- Bis(tert.-nonyldithio)-1,3,4-thiadiazol. May produce an allergic reaction.

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Description:** Preparation of base oils and additives.**Dangerous components:**

CAS: 64742-54-7

EINECS: 265-157-1

Index number: 649-467-00-8

Reg.nr.: 01-2119484627-25-0000

Distillates (petroleum), hydrotreated heavy paraffinic

⚠ Asp. Tox. 1, H304

50-100%

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	Methacrylate Copolymer	2.5-10%
CAS: 64742-55-8	⚠ Eye Irrit. 2, H319	
EINECS: 265-158-7	Distillates (petroleum), hydrotreated light paraffinic	≤2.5%
Index number: 649-468-00-3	⚠ Asp. Tox. 1, H304	
Reg.nr.: 01-2119487077-29		
CAS: 89347-09-1	2,5- Bis(tert.-nonyldithio)-1,3,4-thiadiazol	0-≤1%
	⚠ Skin Sens. 1, H317	

· SVHC Void

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures**· **4.1 Description of first aid measures**

- **General information:** Take affected persons out of danger area and lay down.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

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

No further relevant information available.

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

No further relevant information available.

**SECTION 5: Firefighting measures**· **5.1 Extinguishing media**· **Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.  
Use fire extinguishing methods suitable to surrounding conditions.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet· **5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

· **5.3 Advice for firefighters**· **Protective equipment:** Wear self-contained respiratory protective device.· **Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

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**SECTION 6: Accidental release measures****· 6.1 Personal precautions, protective equipment and emergency procedures***Keep people at a distance and stay on the windward side.***· 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.****· 6.3 Methods and material for containment and cleaning up:***Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).***· 6.4 Reference to other sections***No dangerous substances are released.**See Section 7 for information on safe handling.**See Section 8 for information on personal protection equipment.**See Section 13 for disposal information.***SECTION 7: Handling and storage****· 7.1 Precautions for safe handling** *Avoid the formation of oil haze.***· Information about fire - and explosion protection:** *No special measures required.***· 7.2 Conditions for safe storage, including any incompatibilities****· Storage:****· Requirements to be met by storerooms and receptacles:***Note Regulation on facilities for the storage, filling and handling water-polluting substances. ...***· Information about storage in one common storage facility:** *Store away from foodstuffs.***· Further information about storage conditions:** *Storage in a collecting room is required.***· 7.3 Specific end use(s)** *No further relevant information available.***SECTION 8: Exposure controls/personal protection****· 8.1 Control parameters****· Ingredients with limit values that require monitoring at the workplace:**

Oilfog and Oilfumes	TLV-8h-TWA	5mg/m <sup>3</sup>
	TLV-15min-STEEL	10mg/m <sup>3</sup>

**· Additional information:** *The lists valid during the making were used as basis.***· 8.2 Exposure controls****· Appropriate engineering controls** *No further data; see section 7.***· Individual protection measures, such as personal protective equipment****· General protective and hygienic measures:** *Wash hands before breaks and at the end of work.***· Respiratory protection:** *Not required.***· Hand protection***Preventive skin protection by use of skin-protecting agents is recommended.**The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.**Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation***· Material of gloves***The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances,*

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the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**· Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Not suitable are gloves made of the following materials:** Leather gloves

· **Eye/face protection** Goggles recommended during refilling

**\* SECTION 9: Physical and chemical properties****· 9.1 Information on basic physical and chemical properties****· General Information****· Physical state**

Fluid

**· Colour:**

Brown

**· Odour:**

Characteristic

**· Odour threshold:**

Not determined.

**· Melting point/freezing point:**

Undetermined.

**· Boiling point or initial boiling point and boiling range**

Undetermined.

**· Flammability**

Not applicable.

**· Lower and upper explosion limit****· Lower:**

0.6 Vol % (DIN EN 1839)

**· Upper:**

6.5 Vol % (DIN EN 1839)

**· Flash point:**

201 °C (DIN ISO 2592)

**· Decomposition temperature:**

Not determined.

**· pH**

Not determined.

**· Viscosity:****· Kinematic viscosity at 40 °C**40 mm<sup>2</sup>/s (DIN 51562)**· Dynamic:**

Not determined.

**· Solubility****· water:**

Not miscible or difficult to mix.

**· Partition coefficient n-octanol/water (log value)**

Not determined.

**· Vapour pressure:**

Not determined.

**· Density and/or relative density****· Density at 20 °C:**0.851 g/cm<sup>3</sup> (DIN 51757)**· Relative density**

Not determined.

**· Vapour density**

Not determined.

**· 9.2 Other information****· Appearance:****· Form:**

Fluid

**· Important information on protection of health and environment, and on safety.****· Ignition temperature:**

Not determined.

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· **Explosive properties:**(Contd. of page 4)  
Product is not explosive. However, formation of explosive air/vapour mixtures are possible.· **Solvent content:**· **Solids content:**

100.0 %

· **Change in condition**· **Softening point/range**· **Pour point**

-45 °C (DIN ISO 3016)

· **Evaporation rate**

Not determined.

· **Information with regard to physical hazard classes**· **Explosives**

Void

· **Flammable gases**

Void

· **Aerosols**

Void

· **Oxidising gases**

Void

· **Gases under pressure**

Void

· **Flammable liquids**

Void

· **Flammable solids**

Void

· **Self-reactive substances and mixtures**

Void

· **Pyrophoric liquids**

Void

· **Pyrophoric solids**

Void

· **Self-heating substances and mixtures**

Void

· **Substances and mixtures, which emit flammable gases in contact with water**

Void

· **Oxidising liquids**

Void

· **Oxidising solids**

Void

· **Organic peroxides**

Void

· **Corrosive to metals**

Void

· **Desensitised explosives**

Void

**SECTION 10: Stability and reactivity**· **10.1 Reactivity** No further relevant information available.· **10.2 Chemical stability**· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.· **10.3 Possibility of hazardous reactions** Reacts with strong oxidising agents.· **10.4 Conditions to avoid** No further relevant information available.· **10.5 Incompatible materials:** No further relevant information available.· **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide**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.· **LD/LC50 values relevant for classification:** Rat oral : > 2000 mg/kg (Concawe Product dossier 01/54)· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.(Contd. on page 6)  
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- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** 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.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
CMR effects (carcinogenic, mutagenic and toxicity for reproduction) are not known for these products.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**  
None of the ingredients is listed.

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:**  
The product spreads out on the surface of the water. A small fraction of the constituents will be dissolved. It prevents the solution of oxygen and can cause the death of water organisms.
- **12.2 Persistence and degradability** Not easily biodegradable
- **12.3 Bioaccumulative potential**  
Due to the distribution coefficient n-octanol/water a worth-mentioning accumulation in organisms is not expected.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** The product can easily be separated by an oil separator (skimmer) of the water surface.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.

**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
- **Recommendation**  
When storing used mineral oil products, ensure that the categories for waste oil and mixing instructions are observed.

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Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Delivery of waste oil to officially authorised collectors only.

· **European waste catalogue**

13 02 05\* mineral-based non-chlorinated engine, gear and lubricating oils

· **Uncleaned packaging:**

· **Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

**SECTION 14: Transport information**

· **14.1 UN number or ID number**

· **ADR, ADN, IMDG, IATA** Void

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA** Void

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class** Void

· **14.4 Packing group**

· **ADR, IMDG, IATA** Void

· **14.5 Environmental hazards:**

· **Marine pollutant:** No

· **14.6 Special precautions for user** Not applicable.

· **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

· **UN "Model Regulation":** Void

**SECTION 15: Regulatory information**

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

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**· Annex II - REPORTABLE EXPLOSIVES PRECURSORS***None of the ingredients is listed.***· 15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.***\* SECTION 16: Other information***This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.***· Relevant phrases***H304 May be fatal if swallowed and enters airways.**H317 May cause an allergic skin reaction.**H319 Causes serious eye irritation.***· Department issuing SDS:** *Product safety***· Abbreviations and acronyms:***ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)**IMDG: International Maritime Code for Dangerous Goods**IATA: International Air Transport Association**GHS: Globally Harmonised System of Classification and Labelling of Chemicals**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**SVHC: Substances of Very High Concern**vPvB: very Persistent and very Bioaccumulative**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**Skin Sens. 1: Skin sensitisation – Category 1**Asp. Tox. 1: Aspiration hazard – Category 1***· Sources** *Concawe Product Dossier No.97/108. Concawe Product Dossier Nn. 01/54.***· \* Data compared to the previous version altered.**

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