

# Safety Data Sheet according to EEC-Regulation 91/155/EEC



## 1. Identification of the substance/preparation and of the company/undertaking

### Identification of the substance or preparation:

VAICO transmission oil ATF longlife  
Artikel-Nr: V60-0007

### Company/undertaking identification

VIEROL AG  
Karlstraße 19  
26123 Oldenburg  
Germany

## 2. Composition/information on ingredients

### 2.1 Chemical name / content % / symbol / R-phrases / CAS

For complete wording of the R-phrases, refer to point 16.

## 3. Hazards identification

### 3.1 To people

See point 11 and 15.

Preparation is not hazardous in the sense of directive 1999/45/EG.

### 3.2 To the environment

See point 12.

Product can compose a film on the water surface, which can prevent oxygen exchange.

## 4. First aid measures

### 4.1 Inhalation

Remove person from danger area. Supply person with fresh air and consult doctor according to symptoms.

### 4.2 Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary. Keep data sheet available.

### 4.3 Skin contact

Wash thoroughly with soap and copious water – remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

### 4.4 Ingestion

Do not induce vomiting. Consult doctor immediately. Danger of aspiration.

### 4.5 Special resources necessary for first aid

n.g.

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### 5. Fire-fighting measures

#### 5.1 Suitable extinguishing media

CO<sub>2</sub>  
Foam  
Dry extinguisher  
Water jet spray

#### 5.2 Extinguishing media which must not be used for safety reasons

High volume water jet

#### 5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In case of fire the following can develop:

Flammable vapour/air mixtures.  
Oxides of carbon  
H<sub>2</sub>S  
Oxides of sulphur  
Oxides of phosphorus

#### 5.4 Special protective equipment for fire-fighters

Protective respirator with independent air supply. According to size of fire. Full protection, if necessary.

#### 5.5 Further information

Dispose of contaminated extinction water according to official regulations.

### 6. Accidental release measures

Refer to point 13. and for personal protection refer to point 8.

#### 6.1 Personal precautions

Avoid inhalation and contact with eyes or skin. Caution – risk of slipping. Do not carry cleaning cloths soaked in product in trouser pockets.

#### 6.2 Environmental measures

If leakage occurs, dam up. Prevent from entering drainage system.

#### 6.3 Methods for cleaning up

Collect using absorbant material (e.g. Universal binding medium), and dispose of according to point 13.

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## 7. Handling and storage

### 7.1 Handling

Tips for safe handling: see point 6.1

General hygiene measures for the handling of chemicals are applicable. Ensure good ventilation. Observe directions on label and instructions for use.

### 7.2 Storage

#### Requirements for storage rooms and containers:

Not to be stored in gangways or stair wells. Store products only unopened, in original packing.

#### Special storage conditions:

see point 10.2

Protect against moisture and store closed.

## 8. Exposure controls/personal protection

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the OES, MEL or MAK values, suitable breathing protection should be worn.

#### Chemical name / content % / OES, MEL, MAK, TRK / BMGV, BAT / CAS

Oil mist, mineral	5 mg/m <sup>3</sup> (TLV-ACGIH)	CAS n.v.
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### 8.1 Respiratory protection:

If OES-, MEL- or MAK-value is exceeded. Filter A P 3 (EN 141)

### 8.2 Hand protection:

Protective nitrile gloves (EN 374). Protective hand cream recommended.

### 8.3 Eye protection:

Tight fitting protective goggles (EN 166) with side protection, with danger of projections.

### 8.4 Skin protection:

Protective working garments (e.g. safety shoes EN 344, long-sleeved protective working garments).

Additional information on hand protection – No tests have been performed.

Selection made for preparations according to the best available knowledge and information on the ingredients.

Selection of materials derived from glove manufacturer's indications.

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### 9. Physical and chemical properties

Physical state:	Liquid
Colour:	Brown
Odour:	Characteristic
10 % pH-value:	k.D.v.
Boiling point / range (°C):	k.D.v.
Melting point / range (°C):	- 46 (PP)
Flash point (°C):	185
Autoflammability:	k.D.v.
Minimum limit of explosion:	k.D.v.
Maximum limit of explosion:	k.D.v.
Vapour pressure:	k.D.v.
Relative density (g/ml):	0,865
Solubility in water:	Insoluble
Viscosity:	36 mm <sup>2</sup> /s/40°C; 7,9 mm <sup>2</sup> /s/100°C

### 10. Stability and reactivity

#### 10.1 Conditions to avoid

See point 7  
Protect from humidity.  
Open flame, ignition sources

#### 10.2 Materials to avoid

See point 7  
Avoid contact with strong oxidizing agents.  
Avoid contact with other chemicals.

#### 10.3 Hazardous decomposition products

See point 5.3

#### 10.3 Additional information

Stabilizers necessary: k.D.v.  
Stabilizers available: k.D.v.

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### 11. Toxicological information

#### 11.1 Acute toxicity and immediate effects

11.1.1 Ingestion, LD50 rat oral (mg/kg):	k.D.v.
11.1.2 Inhalation, LC50 rat inhal.(mg/l/4h):	k.D.v.
11.1.3 Skin contact, LD50 rat dermal (mg/kg):	k.D.v.
11.1.4 Eye contact:	k.D.v.

#### 11.2 Delayed and chronic effects

11.2.1 Sensitization:	k.D.v.
11.2.2 Carcinogenicity:	k.D.v.
11.2.3 Mutagenicity:	k.D.v.
11.2.4 Reproductive toxicity:	k.D.v.
11.2.5 Narcosis:	k.D.v.

#### 11.3 Further information

No classification according to calculation procedure.

The following may occur: Drying of the skin. Irritation of the skin.

### 12. Ecological information

Water hazard class:	2
Self classification:	Yes (VwVwS)
Persistence and degradability:	k.D.v.
Behaviour in sewage plants:	Mechanical precipitation possible.
Aquatic toxicity:	See point 3.
Ecological toxicity:	k.D.v.

### 13. Disposal considerations

#### 13.1 For the material / preparation / residue

Soaked polluted cloths, paper or other organic materials represent a fire hazard and should be controlled, collected and disposed of.

EC disposal code no.: The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.

07 06 99 - wastes not otherwise specified; 13 02 05 - mineral-based non-chlorinated engine, gear and lubricating oils

Recommendation: Pay attention to local and national official regulations. E.g. dispose at suitable refuse site. E.g. suitable incineration plant.

#### 13.2 For contaminated packing material

See point 13.1. Pay attention to local and national official regulations

- 15 01 01 - paper and cardboard packaging
- 15 01 02 - plastic packaging
- 15 01 04 - metallic packaging

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## 14. Transport information

### General statements

UN-Number: n.a.

### Road/Rail-transport (ADR/RID)

Class/packing-group: n.a.

Classification code: n.a.

LQ: n.a.

### Transport by sea

IMDG-code: n.a. (class/packing-group)

EmS-No.: n.a.

Marine Pollutant: n.a.

### Transport by air

IATA: n.a. (class/secondary danger/packing-group)

### Additional information:

Non-dangerous material according to Transport Regulations.

## 15. Regulatory information

### Classification according to Dangerous Product Regulations incl. EC Guidelines(67/548/EEC and 1999/45/EC)

Symbols: not applicable

Indications of danger: ---

R-phrases:

S-phrases:

Additions:

VbF:

Observe restrictions: n.a.

## 16. Other information

DiThese details refer to the product as it is delivered.

Storage class VCI (Germany): 10

Revised points: n.a.

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### Legend:

n.a. = not applicable

n.v., k.D.v. = not available

n.g. = not checked

OES = Occupational exposure standard

MEL = Maximum exposure limit

BMGV = Biological monitoring guidance value

MAK = Maximum concentration for work place(Germany)

TRK = Technical guidance concentration (Germany)

BAT = Biological tolerance for work place (Germany)

VbF = Regulations for flammable liquids (Germany)

TRbF = Technical regulations for flammable liquids (Germany)

WGK = water hazard class (Germany) - WGK 3 = very hazardous

WGK 2 = hazardous

WGK 1 = slightly hazardous to water

VOC-CH=Volatile organic compounds (VOCV - Switzerland)

AOX = Adsorbable organic halogen compounds

VwVwS = Administrative Order relating to substances hazardous to water (Germany)

The statements made here should describe the product with regard to the necessary safety precautions – they are not meant to guarantee definite characteristics – but they are based on our present up-to-date knowledge. No responsibility.