

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

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

1.1 Product identifier

Product name: VAICO ATF MB 15

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

Identified uses: Lubricant

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier VIEROL AG
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26123 Oldenburg

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Contact for request of safety data sheets

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1.4 Emergency telephone number: +49 621 3701-1333 / +49 621 3701-0 (Mo-Do 8-17, Fr 8-16)

SECTION 2: Hazards identification

Product name: VAICO ATF MB 15

| Chemical name | Identifier | Concentration * | UK-REACH Registration No. | Notes |
|--------------------------|-------------------|-------------------|---------------------------|-------|
| base oil, low viscous | EINECS: 276-738-4 | 50,00% - <100,00% | | |
| Alkyl amine | EC: 620-540-6 | 0,10% - <0,25% | | |
| Alkylamine, longchain | EINECS: 204-694-8 | 0,01% - <0,10% | | |
| prim. alkanolamine ether | EC: 939-485-7 | 0,01% - <0,10% | | |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

| Chemical name | Identifier | Classification |
|--------------------------|-------------------|---|
| base oil, low viscous | EINECS: 276-738-4 | GBCLP: Asp. Tox. 1;H304 |
| Alkyl amine | EC: 620-540-6 | GBCLP: Skin Corr. 1C;H314, Eye Dam. 1;H318, Aquatic Acute 1;H400, Aquatic Chronic 1;H410, Acute Tox. 4;H302; M-Factor (aquatic acute): 10; M-Factor (aquatic chronic): 1 |
| Alkylamine, longchain | EINECS: 204-694-8 | GBCLP: Skin Corr. 1B;H314, Eye Dam. 1;H318, Aquatic Acute 1;H400, Aquatic Chronic 1;H410, Acute Tox. 4;H302; M-Factor (aquatic acute): 10; M-Factor (aquatic chronic): 1 |
| prim. alkanolamine ether | EC: 939-485-7 | GBCLP: Acute Tox. 4;H302, Skin Corr. 1B;H314, Eye Dam. 1;H318, Aquatic Acute 1;H400, Aquatic Chronic 1;H410; M-Factor (aquatic acute): 100; M-Factor (aquatic chronic): 1 |

GB-CLP

Please note that the mineral oils and petroleum distillates used in our products are severely refined and have a DMSO extract < 3% as measured by method IP 346 and are not classified as carcinogenic according to Note L of Annex VI of Regulation GB-CLP.

SECTION 4: First aid measures

General: Instantly remove any clothing soiled by the product.

4.1 Description of first aid measures

Inhalation: Supply fresh air; consult doctor in case of symptoms.

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids.

Skin Contact: Wash with soap and water.

Ingestion: Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do NOT induce vomiting.

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

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

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- 4.3 Indication of any immediate medical attention and special treatment needed** Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: CO₂, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

Unsuitable extinguishing media: Water with a full water jet.

- 5.2 Special hazards arising from the substance or mixture:** During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters

Special fire fighting procedures: Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** In case of spills, beware of slippery floors and surfaces.

- 6.2 Environmental Precautions:** Prevent from spreading (e.g. by binding or oil barriers). Avoid release to the environment. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.

- 6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust). Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.

- 6.4 Reference to other sections:** See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

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SECTION 7: Handling and storage:

- 7.1 Precautions for safe handling:** Prevent formation of aerosols. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Observe good industrial hygiene practices. Provide adequate ventilation.
- 7.2 Conditions for safe storage, including any incompatibilities:** Store locked up. Local regulations concerning handling and storage of waterpolluting products have to be followed. Do not heat up to temperatures close to the flash point.
- 7.3 Specific end use(s):** Not applicable
- Storage Class:** 10, Combustible liquids

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

8.2 Exposure controls

Appropriate engineering controls:

Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information:

Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

Eye/face protection:

Safety glasses (EN 166) recommended during refilling.

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Skin protection

Hand Protection:

Material: Nitrile butyl rubber (NBR).
Min. Breakthrough time: \geq 480 min
Recommended thickness of the material: \geq 0,38 mm

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other:

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Respiratory Protection:

Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.

Thermal hazards:

Not known.

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Environmental Controls:

No data available.

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| SECTION 9: Physical and chemical properties |
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9.1 Information on basic physical and chemical properties

Appearance

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|---|---|
| Physical state: | liquid |
| Form: | liquid |
| Color: | Blue |
| Odor: | Characteristic |
| pH: | substance/mixture is non-soluble (in water) |
| Freezing point: | not determined |
| Boiling Point: | not determined |
| Flash Point: | 190 °C |
| Evaporation Rate: | Not applicable for mixtures |
| Flammability (solid, gas): | not determined |
| Flammability Limit - Upper (%)-: | Not applicable for mixtures |
| Flammability Limit - Lower (%)-: | Not applicable for mixtures |
| Vapor pressure: | Not applicable for mixtures |
| Relative vapor density: | Not applicable for mixtures |
| Density: | 0,84 g/ml (15,00 °C) |
| Solubility(ies) | |
| Solubility in Water: | Insoluble in water |
| Solubility (other): | No data available. |

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|---|---------------------------------------|
| Partition coefficient (n-octanol/water): | Not applicable for mixtures |
| Autoignition Temperature: | not determined |
| Decomposition Temperature: | not determined |
| Kinematic viscosity: | 18 mm ² /s (40 °C) |
| Explosive properties: | Value not relevant for classification |
| Oxidizing properties: | Value not relevant for classification |
| Particle characteristics: | Not applicable |
| 9.2 Other information | No data available. |

SECTION 10: Stability and reactivity

| | |
|---|---|
| 10.1 Reactivity: | Stable under normal use conditions. |
| 10.2 Chemical Stability: | Stable under normal use conditions. |
| 10.3 Possibility of hazardous reactions: | Stable under normal use conditions. |
| 10.4 Conditions to avoid: | Stable under normal use conditions. |
| 10.5 Incompatible Materials: | Strong oxidizing substances. Strong acids. Strong bases. |
| 10.6 Hazardous Decomposition Products: | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. |

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral

| | |
|--|--|
| Product: | Not classified for acute toxicity based on available data. |
| Specified substance(s) base oil, low viscous | LD 50 (Rat): > 5.001 mg/kg (OECD 401) |
| Alkyl amine | LD 50 (Rat): 1.350 mg/kg (OECD 401) |
| Alkylamine, longchain | LD 50 (Rat): 1.230 mg/kg (OECD 401) |

Dermal

| | |
|--|--|
| Product: | Not classified for acute toxicity based on available data. |
| Specified substance(s) Alkylamine, longchain | LD 50 (Rabbit): 8.000 mg/kg |

Inhalation

| | |
|-----------------|--|
| Product: | Not classified for acute toxicity based on available data. |
|-----------------|--|

Product name: VAICO ATF MB 15

Skin Corrosion/Irritation:

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

Serious Eye Damage/Eye Irritation:

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

Respiratory or Skin Sensitization:

Product: Skin sensitizer: Based on available data, the classification criteria are not met.
Respiratory sensitizer: Based on available data, the classification criteria are not met.

Specified substance(s)

Alkyl amine

No sensitizing effect (guinea pig); OECD 406

Germ Cell Mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

Specific Target Organ Toxicity - Single Exposure

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

Specific Target Organ Toxicity - Repeated Exposure

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

Aspiration Hazard

Product: May be fatal if swallowed and enters airways.

Other adverse effects:

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

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

Fish

Specified substance(s)

base oil, low viscous LC 50 (Fish, 96 h): > 100 mg/l (OECD 203)

Alkyl amine LC 50 (Fish, 96 h): 0,1 mg/l (OECD 203)

Alkylamine, longchain LC 50 (Fish, 96 h): 0,26 mg/l

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**Aquatic Invertebrates
Specified substance(s)**

Alkyl amine EC 50 (Water Flea, 48 h): 0,043 mg/l (OECD 202)

Alkylamine, longchain EC 50 (Water Flea, 48 h): 0,0558 mg/l

Chronic Toxicity

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

Fish

Specified substance(s)
base oil, low viscous NOEC (Fish, 14 d): > 1.000 mg/l

**Aquatic Invertebrates
Specified substance(s)**

base oil, low viscous NOEC (Water Flea, 21 d): 10 mg/l (OECD 211)

Alkyl amine EC 10 (Water Flea, 21 d): 0,0107 mg/l (OECD 211)

Alkylamine, longchain NOEL (Water Flea, 21 d): 0,036 mg/l

**Toxicity to Aquatic Plants
Specified substance(s)**

base oil, low viscous NOEC (Alga, 72 h): > 100 mg/l (OECD 201)

Alkyl amine EC 50 (Alga, 72 h): 0,0538 mg/l (OECD 201)
NOEC (Alga, 72 h): 0,0156 mg/l

Alkylamine, longchain EC 50 (Alga, 72 h): 0,0165 mg/l

12.2 Persistence and Degradability

Biodegradation

Product: Not applicable for mixtures

Specified substance(s)
Alkyl amine 63 % (28 d, OECD 301D) Readily biodegradable

Alkylamine, longchain 68 % (28 d, OECD 301D) Readily biodegradable

12.3 Bioaccumulative potential

Product: Not applicable for mixtures

12.4 Mobility in soil:

Product: Not applicable for mixtures

**12.5 Results of PBT and vPvB
assessment:**

The product does not contain any substances fulfilling the PBT/vPvB criteria.

12.6 Other adverse effects: No data available.

Product name: VAICO ATF MB 15

Water Hazard Class (WGK): WGK 2: significantly water-endangering.

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| SECTION 13: Disposal considerations |
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13.1 Waste treatment methods

General information: Dispose in accordance with all applicable regulations.

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws.

List of Waste (LoW) Codes

13 02 08*: other engine, gear and lubricating oils

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| SECTION 14: Transport information |
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ADR/RID

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|------------------------------------|---------------------|
| 14.1 UN Number: | — |
| 14.2 UN Proper Shipping Name: | — |
| 14.3 Transport Hazard Class(es) | |
| Class: | Non-dangerous goods |
| Label(s): | — |
| Hazard No. (ADR): | — |
| Tunnel restriction code: | — |
| 14.4 Packing Group: | — |
| 14.5 Environmental hazards: | — |
| 14.6 Special precautions for user: | — |

IMDG

| | |
|------------------------------------|---------------------|
| 14.1 UN Number: | — |
| 14.2 UN Proper Shipping Name: | — |
| 14.3 Transport Hazard Class(es) | |
| Class: | Non-dangerous goods |
| Label(s): | — |
| EmS No.: | — |
| 14.3 Packing Group: | — |
| 14.5 Environmental hazards: | — |
| 14.6 Special precautions for user: | — |

IATA

| | |
|------------------------------------|---------------------|
| 14.1 UN Number: | — |
| 14.2 Proper Shipping Name: | — |
| 14.3 Transport Hazard Class(es): | |
| Class: | Non-dangerous goods |
| Label(s): | — |
| 14.4 Packing Group: | — |
| 14.5 Environmental hazards: | — |
| 14.6 Special precautions for user: | — |

Product name: VAICO ATF MB 15

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable.

SECTION 15: Regulatory information

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

GB Regulations

The Ozone-Depleting Substances and Fluorinated Greenhouse Gases (Amendment etc.) (EU Exit) Regulations 2019:

none

The Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020:

none

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Revision Information: Vertical lines in the margin indicate an amendment.

Wording of the H-statements in section 2 and 3

| | |
|------|---|
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

Other information:

The classification complies with the current GB lists; however, it has been supplemented with expert literature information and information provided by/about our company. The following evaluation methods were used: On the basis of test data; Calculation Method; Bridging Principle "Substantially similar mixtures"; Expert Judgement

Revision Date:

23.12.2021

Disclaimer:

The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.