

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 1 of 18

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

1.1. Product identifier

ALPINE ATF MB 17

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

Use of the substance/mixture

gear oil

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

| | | |
|-------------------------|--|------------------------------|
| Company name: | Mitan Mineralöl GmbH | |
| Street: | Industriestraße 8 | |
| Place: | D-49577 Ankum | |
| Telephone: | +49 (0)5462/7470-50 | Telefax: +49 (0)5462/7470-33 |
| e-mail: | info@mitan-oil.de | |
| Internet: | www.mitan-oil.de | |
| Responsible Department: | Produktsicherheit / Product Safety sicherheitsdatenblatt@mitan-oil.de | |

1.4. Emergency telephone number:

Giftinformationszentrum Nord (Göttingen)
+49 (0)551/19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
P273 Avoid release to the environment.
P501 Dispose of contents / container in accordance with official regulations.

Special labelling of certain mixtures

EUH208 Contains Reaction products of amines, dicoco alkyl and glycollic acid, 3-(dicocoalkylamino)-1,2-propanediol, 1-(tert-dodecylthio)propan-2-ol, 2-tetradecyloxirane, reaction products with boric acid. May produce an allergic reaction.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 2 of 18

Chemical characterization

Preparation of base oils and additives.

Hazardous components

| CAS No | Chemical name | Quantity |
|--------------|---|------------------|
| | EC No | |
| | Index No | |
| | REACH No | |
| | GHS Classification | |
| 398141-87-2 | Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich | 1 - 1,49 % |
| | 800-172-4 | 01-2119969520-35 |
| | Aquatic Chronic 2; H411 | |
| | Reaction products of amines, dicoco alkyl and glycollic acid | 0,1 - 0,99 % |
| | 471-920-1 | 01-0000019770-68 |
| | Skin Sens. 1B; H317 | |
| | 3-(dicocoalkylamino)-1,2-propanediol | 0,1 - 0,99 % |
| | 482-000-4 | 01-0000020142-86 |
| | Skin Sens. 1B, Aquatic Chronic 3; H317 H412 | |
| 67124-09-8 | 1-(tert-dodecylthio)propan-2-ol | 0,1 - 0,75 % |
| | 266-582-5 | 01-2119953277-30 |
| | Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H317 H400 H410 | |
| | Benzene, polypropene derivatives, sulfonated, calcium salts | 0,1 - 0,24 % |
| | | 01-2120040541-70 |
| | Skin Sens. 1; H317 | |
| | 2-tetradecyloxirane, reaction products with boric acid | 0,1 - 0,24 % |
| | 701-392-2 | 01-2119976364-28 |
| | Skin Sens. 1B; H317 | |
| 29385-43-1 | Methyl-1H-benzotriazole | 0,1 - 0,24 % |
| | 249-596-6 | 01-2119979081-35 |
| | Repr. 2, Acute Tox. 4, Aquatic Chronic 2; H361d H302 H411 | |
| 1218787-32-6 | Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs. | 0,01 - 0,035 % |
| | 620-540-6 | 01-2119510877-33 |
| | Acute Tox. 4, Skin Corr. 1C, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H400 H410 | |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | 0,01 - 0,015 % |
| | 202-414-9 | 01-2119777867-13 |
| | Acute Tox. 4, Skin Corr. 1C, Eye Dam. 1, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H318 H373 H400 H410 | |

Full text of H and EUH statements: see section 16.

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 3 of 18

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|--------------|-----------|--|----------------|
| | | Specific Conc. Limits, M-factors and ATE | |
| 398141-87-2 | 800-172-4 | Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkoxy) derivs., C10-rich | 1 - 1,49 % |
| | | dermal: LD50 = > 4000 - < 8000 mg/kg; oral: LD50 = >10000 mg/kg | |
| | 471-920-1 | Reaction products of amines, dicoco alkyl and glycollic acid | 0,1 - 0,99 % |
| | | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2500 mg/kg Skin Sens. 1B; H317: >= 9,4 - 100 | |
| 67124-09-8 | 266-582-5 | 1-(tert-dodecylthio)propan-2-ol | 0,1 - 0,75 % |
| | | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg | |
| | | Benzene, polypropene derivatives, sulfonated, calcium salts | 0,1 - 0,24 % |
| | | Skin Sens. 1; H317: >= 10 - 100 | |
| | 701-392-2 | 2-tetradecyloxirane, reaction products with boric acid | 0,1 - 0,24 % |
| | | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 16000 mg/kg | |
| 29385-43-1 | 249-596-6 | Methyl-1H-benzotriazole | 0,1 - 0,24 % |
| | | dermal: LD50 = > 2000 mg/kg; oral: LD50 = ca. 720 mg/kg | |
| 1218787-32-6 | 620-540-6 | Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs. | 0,01 - 0,035 % |
| | | oral: LD50 = 1500 mg/kg Aquatic Acute 1; H400: M=10 | |
| 95-38-5 | 202-414-9 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | 0,01 - 0,015 % |
| | | oral: LD50 = ca. 1000 mg/kg Aquatic Acute 1; H400: M=10 | |

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from the danger area and lay down.
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Provide fresh air. Call a doctor if you feel unwell.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.
Take off contaminated clothing and wash it before reuse.
In case of skin irritation, consult a physician.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Rinse mouth thoroughly with water.
Let water be drunken in little sips (dilution effect).
Do NOT induce vomiting.
In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 4 of 18

5.1. Extinguishing media

Suitable extinguishing media

Use water spray jet to protect personnel and to cool endangered containers.
Co-ordinate fire-fighting measures to the fire surroundings.

- Water spray jet
- Foam
- Carbon dioxide (CO₂).
- Extinguishing powder

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Non-flammable. Formation of toxic gases is possible during heating or in case of fire.

In case of fire may be liberated:

- Carbon monoxide (CO)
- Carbon dioxide (CO₂).
- Pyrolysis products, toxic

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Use of protective clothing

In case of fire and/or explosion do not breathe fumes.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Keep people at a distance and stay on the windward side.
Special danger of slipping by leaking/spilling product.

For non-emergency personnel

Wear protective gloves/protective clothing and eye/face protection.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.
Do not allow to enter into soil/subsoil.
Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated articles and floor according to the environmental legislation.
Remove from the water surface (e.g. skimming, sucking).

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 5 of 18

7.1. Precautions for safe handling

Advice on safe handling

- Avoid formation of oil dust.
- Use personal protection equipment.
- Do not put any product-impregnated cleaning rags into your trouser pockets.
- Clear spills immediately.

Advice on protection against fire and explosion

- No special fire protection measures are necessary.
- Take precautionary measures against static discharges.
- Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

- Keep only in the original container in a cool, well-ventilated place.
- Keep container tightly closed.
- Floors should be impervious, resistant to liquids and easy to clean.

Hints on joint storage

- No special measures are necessary.

Further information on storage conditions

- Note Regulation on facilities for the storage, filling and handling water-polluting substances. ...

7.3. Specific end use(s)

gear oil

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 6 of 18

DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|--|----------------|----------|-------------------------|
| 398141-87-2 | Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich | | | |
| Worker DNEL, long-term | | inhalation | systemic | 24,7 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 350 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 4,35 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 125 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 2,5 mg/kg bw/day |
| 67124-09-8 | 1-(tert-dodecylthio)propan-2-ol | | | |
| Worker DNEL, long-term | | inhalation | systemic | 11,8 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 3,34 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 2,9 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 1,67 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 0,84 mg/kg bw/day |
| | 2-tetradecyloxirane, reaction products with boric acid | | | |
| Worker DNEL, long-term | | dermal | local | 0,09 mg/cm ² |
| Consumer DNEL, long-term | | dermal | local | 4,68 mg/cm ² |
| 29385-43-1 | Methyl-1H-benzotriazole | | | |
| Worker DNEL, long-term | | inhalation | systemic | 21,2 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 0,3 mg/kg bw/day |
| Consumer DNEL, long-term | | dermal | systemic | 0,01 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 0,01 mg/kg bw/day |
| 1218787-32-6 | Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs. | | | |
| Worker DNEL, long-term | | inhalation | systemic | 2,96 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 0,42 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 0,522 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 0,15 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 0,15 mg/kg bw/day |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | | | |
| Worker DNEL, long-term | | inhalation | systemic | 0,46 mg/m ³ |
| Worker DNEL, acute | | inhalation | systemic | 14 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 0,06 mg/kg bw/day |
| Worker DNEL, acute | | dermal | systemic | 2 mg/kg bw/day |

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 7 of 18

PNEC values

| CAS No | Substance | Value |
|-------------|--|--------------|
| 398141-87-2 | Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkoxy) derivs., C10-rich | |
| | Freshwater | 0,0024 mg/l |
| | Freshwater (intermittent releases) | 0,024 mg/l |
| | Marine water | 0,00033 mg/l |
| | Freshwater sediment | 0,433 mg/kg |
| | Marine sediment | 0,0596 mg/kg |
| | Secondary poisoning | 111,11 mg/kg |
| | Micro-organisms in sewage treatment plants (STP) | 100 mg/l |
| | Soil | 0,0853 mg/kg |
| | Reaction products of amines, dicoco alkyl and glycollic acid | |
| | Freshwater | 0,4 mg/l |
| | Freshwater (intermittent releases) | 0,013 mg/l |
| | Marine water | 0,04 mg/l |
| | Freshwater sediment | 17100 mg/kg |
| | Marine sediment | 1701 mg/kg |
| | Micro-organisms in sewage treatment plants (STP) | 100 mg/l |
| | Soil | 3416 mg/kg |
| 67124-09-8 | 1-(tert-dodecylthio)propan-2-ol | |
| | Freshwater | 0,006 mg/l |
| | Freshwater (intermittent releases) | 0,006 mg/l |
| | Marine water | 0,001 mg/l |
| | Freshwater sediment | 8,28 mg/kg |
| | Marine sediment | 0,828 mg/kg |
| | Secondary poisoning | 33,33 mg/kg |
| | Micro-organisms in sewage treatment plants (STP) | 100 mg/l |
| | Soil | 0,244 mg/kg |
| | 2-tetradecyloxirane, reaction products with boric acid | |
| | Freshwater | 1 mg/l |
| | Freshwater (intermittent releases) | 1 mg/l |
| | Marine water | 0,1 mg/l |
| | Freshwater sediment | 42700 mg/kg |
| | Marine sediment | 4270 mg/kg |
| | Micro-organisms in sewage treatment plants (STP) | 100 mg/l |
| | Soil | 8540 mg/kg |
| 29385-43-1 | Methyl-1H-benzotriazole | |
| | Freshwater | 0,008 mg/l |
| | Freshwater (intermittent releases) | 0,086 mg/l |

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 8 of 18

| | |
|--|---|
| Marine water | 0,02 mg/l |
| Freshwater sediment | 0,117 mg/kg |
| Marine sediment | 0,292 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | 39,4 mg/l |
| Soil | 0,0187 mg/kg |
| 1218787-32-6 | Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs. |
| Freshwater | 0,000214 mg/l |
| Freshwater (intermittent releases) | 0,00087 mg/l |
| Marine water | 0,000021 mg/l |
| Freshwater sediment | 1,692 mg/kg |
| Marine sediment | 0,169 mg/kg |
| Secondary poisoning | 2 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | 1,5 mg/l |
| Soil | 5 mg/kg |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol |
| Freshwater | 0 mg/l |
| Freshwater (intermittent releases) | 0 mg/l |
| Marine water | 0 mg/l |
| Freshwater sediment | 0,376 mg/kg |
| Marine sediment | 0,038 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | 0,26 mg/l |
| Soil | 0,075 mg/kg |

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls



Protective and hygiene measures

- Take off contaminated clothing and wash it before reuse.
- Wash hands before breaks and after work.
- When using do not eat, drink, smoke, sniff.

Eye/face protection

- During filling, metering, mixing and sampling must be used:
- Wear eye/face protection. EN 166

Hand protection

- When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
- Recommended glove articles: EN ISO 374
- Suitable material: NBR (Nitrile rubber)

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 9 of 18

Thickness of the glove material: 0,4 mm

Breakthrough times and swelling properties of the material must be taken into consideration. Breakthrough time: > 8h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

Usually no personal respirative protection necessary.

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | |
|------------------|----------------|----------------|
| Physical state: | Liquid | |
| Colour: | yellow | |
| Odour: | characteristic | |
| Odour threshold: | not determined | |
| pH-Value: | | not determined |

Changes in the physical state

| | |
|---|----------------|
| Melting point/freezing point: | not determined |
| Boiling point or initial boiling point and boiling range: | not determined |
| Pour point: | not determined |
| Flash point: | > 180 °C |

Flammability

| | |
|---------------|----------------|
| Solid/liquid: | not determined |
|---------------|----------------|

Explosive properties

The product is not: Explosive. Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

| | |
|----------------------------|----------------|
| Lower explosion limits: | not determined |
| Upper explosion limits: | not determined |
| Auto-ignition temperature: | not determined |
| Decomposition temperature: | not determined |

Oxidizing properties

The product is not: oxidising.

| | |
|---------------------|--|
| Vapour pressure: | not determined |
| Density (at 15 °C): | 0,849 g/cm ³ |
| Water solubility: | The study does not need to be conducted because the substance is known to be insoluble in water. |

Solubility in other solvents

not determined

| | |
|--|----------------|
| Partition coefficient n-octanol/water: | not determined |
|--|----------------|

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 10 of 18

| | |
|--------------------------------------|-----------------------|
| Viscosity / kinematic: (at 40 °C) | 21 mm ² /s |
| Relative vapour density: | not determined |
| Evaporation rate: | not determined |

9.2. Other information

| | |
|----------------|----------------|
| Solid content: | not determined |
|----------------|----------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

The formation of combustible vapours is possible at temperatures above: Flash point

10.4. Conditions to avoid

Avoid: Thermal decomposition

10.5. Incompatible materials

Materials to avoid:

- Acids
- Reducing agent
- Oxidising agent

10.6. Hazardous decomposition products

Hazardous combustion products:

- Carbon monoxide (CO)
- Carbon dioxide (CO₂)
- Pyrolysis products, toxic

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

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

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 11 of 18

| CAS No | Chemical name | | | | |
|--------------|--|----------------------------|---------|---------------------|--|
| | Exposure route | Dose | Species | Source | Method |
| 398141-87-2 | Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich | | | | |
| | oral | LD50 > 10000 mg/kg | Rat | | |
| | dermal | LD50 > 4000 - < 8000 mg/kg | Rabbit | Study report (1975) | other: US 16 CFR 1500.3 Federal Hazardou |
| | Reaction products of amines, dicoco alkyl and glycollic acid | | | | |
| | oral | LD50 > 2500 mg/kg | Rat | Study report (2006) | OECD Guideline 423 |
| | dermal | LD50 > 2000 mg/kg | Rat | Study report (2006) | OECD Guideline 402 |
| 67124-09-8 | 1-(tert-dodecylthio)propan-2-ol | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | Study report (1982) | other: Section 1500.3 – Federal Hazardou |
| | dermal | LD50 > 2000 mg/kg | Rabbit | Study report (1991) | OECD Guideline 434 |
| | 2-tetradecyloxirane, reaction products with boric acid | | | | |
| | oral | LD50 > 16000 mg/kg | Rat | Study report (1981) | other: Section 772.112-21 CFR 40. |
| | dermal | LD50 > 2000 mg/kg | Rat | Study report (2012) | OECD Guideline 402 |
| 29385-43-1 | Methyl-1H-benzotriazole | | | | |
| | oral | LD50 ca. 720 mg/kg | Rat | Study report (1983) | OECD Guideline 401 |
| | dermal | LD50 > 2000 mg/kg | Rabbit | Study report (1984) | OECD Guideline 402 |
| 1218787-32-6 | Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs. | | | | |
| | oral | LD50 1500 mg/kg | Rat | Study report (1984) | OECD Guideline 425 |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | | | | |
| | oral | LD50 ca. 1000 mg/kg | Rat | Study report (1989) | OECD Guideline 401 |

Irritation and corrosivity

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

Sensitising effects

Contains Reaction products of amines, dicoco alkyl and glycollic acid, 3-(dicocoalkylamino)-1,2-propanediol, 1-(tert-dodecylthio)propan-2-ol, 2-tetradecyloxirane, reaction products with boric acid. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

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

The product contains less than 3% DMSO extract (method IP346). A classification as a carcinogen with R45 is deleted. (Note L)

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 12 of 18

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.

11.2. Information on other hazards

Endocrine disrupting properties

See section: 12.6

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 13 of 18

| CAS No | Chemical name | | | | | |
|-------------|--|---------------------|-----------|---|----------------------------|-----------------------------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 398141-87-2 | Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich | | | | | |
| | Acute fish toxicity | LC50 3,3 mg/l | 96 h | Cyprinodon variegatus | REACH Registration Dossier | other: OECD Test Guidelines |
| | Acute algae toxicity | ErC50 63 mg/l | 96 h | | | |
| | Acute crustacea toxicity | EC50 4,6 mg/l | 48 h | Daphnia magna | REACH Registration Dossier | OECD Guideline 202 |
| | Acute bacteria toxicity | (EC50 > 10000 mg/l) | 3 h | activated sludge of a predominantly domestic sewage | REACH Registration Dossier | OECD Guideline 209 |
| | Reaction products of amines, dicoco alkyl and glycollic acid | | | | | |
| | Acute fish toxicity | LL50 610 mg/l | 96 h | Oncorhynchus mykiss | Study report (2006) | OECD Guideline 203 |
| | Acute algae toxicity | ErC50 > 160 mg/l | 72 h | Desmodesmus subspicatus | Study report (2006) | OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 77 mg/l | 48 h | Daphnia magna | Study report (2007) | OECD Guideline 202 |
| | Crustacea toxicity | NOEC 56 mg/l | 21 d | Daphnia magna | Study report (2006) | OECD Guideline 211 |
| | Acute bacteria toxicity | (EC50 > 1000 mg/l) | 3 h | activated sludge of a predominantly domestic sewage | Study report (2006) | OECD Guideline 209 |
| 67124-09-8 | 1-(tert-dodecylthio)propan-2-ol | | | | | |
| | Acute fish toxicity | LL50 0,75 mg/l | 96 h | Oncorhynchus mykiss | Study report (2004) | OECD Guideline 203 |
| | Acute algae toxicity | ErC50 > 100 mg/l | 96 h | Desmodesmus subspicatus | Study report (2004) | OECD Guideline 201 |
| | Acute crustacea toxicity | EL50 0,58 mg/l | 48 h | Daphnia magna | Study report (2011) | OECD Guideline 202 |
| | Crustacea toxicity | NOEC 0,32 mg/l | 21 d | Daphnia magna | Study report (2003) | OECD Guideline 211 |
| | Acute bacteria toxicity | (EC50 > 10000 mg/l) | 3 h | Activated sludge | Study report (1994) | OECD Guideline 209 |
| | 2-tetradecyloxirane, reaction products with boric acid | | | | | |
| | Acute fish toxicity | LL50 > 100 mg/l | 96 h | Oncorhynchus mykiss | REACH Registration Dossier | OECD Guideline 203 |
| | Acute algae toxicity | ErC50 > 100 mg/l | 72 h | Raphidocelis subcapitata | Study report (2012) | OECD Guideline 201 |
| | Acute crustacea toxicity | EL50 > 100 mg/l | 48 h | Daphnia magna | Study report (2012) | OECD Guideline 202 |
| | Fish toxicity | NOEC > 100 mg/l | 33 d | Pimephales promelas | REACH Registration Dossier | OECD Guideline 210 |
| | Acute bacteria toxicity | (EC50 > 10000 mg/l) | 3 h | activated sludge of a predominantly domestic sewage | Study report (1994) | OECD Guideline 209 |

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 14 of 18

| | | | | | | |
|--------------|---|-------------|----------|------|---|---|
| 29385-43-1 | Methyl-1H-benzotriazole | | | | | |
| | Acute fish toxicity | LC50 | 55 mg/l | 96 h | Cyprinodon variegatus | Study report (2003) other: The test procedure is based on te |
| | Acute algae toxicity | ErC50 | 75 mg/l | 72 h | Pseudokirchneriella subcapitata | Study report (1994) OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 mg/l | 15,8 | 48 h | other aquatic crustacea: Daphnia galeata | Environ Sci Pollut Res 19:1781-1790 (201) OECD Guideline 202 |
| | Crustacea toxicity | NOEC mg/l | 18,4 | 21 d | Daphnia magna | Study report (1995) other: "Daphnia Reproduction Test" of OE |
| 1218787-32-6 | Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs. | | | | | |
| | Acute fish toxicity | LC50 | 0,6 mg/l | 96 h | Danio rerio | Study report (1990) OECD Guideline 203 |
| | Acute algae toxicity | ErC50 mg/l | 0,0867 | 72 h | Raphidocelis subcapitata | Study report (2010) OECD Guideline 201 |
| | Crustacea toxicity | NOEC mg/l | 0,32 | 21 d | Daphnia magna | Study report (2010) OECD Guideline 211 |
| | Acute bacteria toxicity | (EC50 mg/l) | 167 | 3 h | activated sludge of a predominantly domestic sewage | Study report (2010) OECD Guideline 209 |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | | | | | |
| | Acute algae toxicity | ErC50 mg/l | 0,03 | 72 h | Desmodesmus subspicatus | REACH Registration Dossier OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 mg/l | 0,163 | 48 h | Daphnia magna | REACH Registration Dossier OECD Guideline 202 |

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|--------------|--|-----------------|
| 398141-87-2 | Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich | 4,11 |
| | Reaction products of amines, dicoco alkyl and glycollic acid | > 9,4 |
| 67124-09-8 | 1-(tert-dodecylthio)propan-2-ol | > 4,72 - < 6,51 |
| | 2-tetradecyloxirane, reaction products with boric acid | >= 6,24 - 9,4 |
| 29385-43-1 | Methyl-1H-benzotriazole | 1,079 |
| 1218787-32-6 | Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs. | 3,6 |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | 7,51 |

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 15 of 18

BCF

| CAS No | Chemical name | BCF | Species | Source |
|--------------|--|-------|-----------------------------|----------------------|
| 398141-87-2 | Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkoxy) derivs., C10-rich | 31 | Cyprinus carpio | REACH Registration D |
| | Reaction products of amines, dicoco alkyl and glycollic acid | < 191 | Cyprinus carpio | Study report (2007) |
| 67124-09-8 | 1-(tert-dodecylthio)propan-2-ol | 105,5 | Fish, not further specified | EPIWIN calculation (|
| 1218787-32-6 | Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs. | 20,2 | | QSAR result (2010) |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | 1890 | fish | REACH Registration D |

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number:

No dangerous good in sense of this transport regulation.

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 16 of 18

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

2010/75/EU (VOC): 0,24 % (2,038 g/l)

2004/42/EC (VOC): 0,24 % (2,038 g/l)

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,8,9,10,11,12,13,15,16.

Abbreviations and acronyms

ADR: Accord européen sur le transport 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 Harmonized 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

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 17 of 18

LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%
 CLP: Classification, labelling and Packaging
 REACH: Registration, Evaluation and Authorization of Chemicals
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
 UN: United Nations
 DNEL: Derived No Effect Level
 DMEL: Derived Minimal Effect Level
 PNEC: Predicted No Effect Concentration
 ATE: Acute toxicity estimate
 LL50: Lethal loading, 50%
 EL50: Effect loading, 50%
 EC50: Effective Concentration 50%
 ErC50: Effective Concentration 50%, growth rate
 NOEC: No Observed Effect Concentration
 BCF: Bio-concentration factor
 PBT: persistent, bioaccumulative, toxic
 vPvB: very persistent, very bioaccumulative
 RID: Regulations concerning the international carriage of dangerous goods by rail
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
 EmS: Emergency Schedules
 MFAG: Medical First Aid Guide
 ICAO: International Civil Aviation Organization
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships
 IBC: Intermediate Bulk Container
 VOC: Volatile Organic Compounds
 SVHC: Substance of Very High Concern
 For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>
 For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification | Classification procedure |
|-------------------------|--------------------------|
| Aquatic Chronic 3; H412 | Calculation method |

Relevant H and EUH statements (number and full text)

| | |
|--------|---|
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H361d | Suspected of damaging the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| 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. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH208 | Contains Reaction products of amines, dicoco alkyl and glycollic acid, 3-(dicocoalkylamino)-1,2-propanediol, 1-(tert-dodecylthio)propan-2-ol, 2-tetradecyloxirane, reaction products with boric acid. May produce an allergic reaction. |

Safety Data Sheet

ALPINE ATF MB 17

Revision date: 19.10.2023

Page 18 of 18

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)