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

1.1 Product identifier

Trade name: AUTOL ATF ALDT

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

General use: Lubricating agent

1.3 Details of the supplier of the safety data sheet

Company name: Enilive Schmiertechnik GmbH
Street/POB-No.: Paradiesstraße 14
Postcode, city: 97080 Würzburg
Germany
Email: info.wuerzburg@enilive.com
Telephone: +49 (0)931-90098-0
Telefax: +49 (0)931-98442

Department responsible for information:
Application Engineering & Product Management (AEPM)
Telephone: +49 (0)931-90098-0
Email: technik.wuerzburg@enilive.com

1.4 Emergency telephone number

GIZ-Nord, Göttingen
Telephone: +49 (0)551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (CLP)

Hazard statements:	H412	Harmful to aquatic life with long lasting effects.
Precautionary statements:		
	P273	Avoid release to the environment.
	P501	Dispose of contents/container to hazardous or special waste collection point.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% (w/w) or higher. The product contains no components classified as PBT or as vPvB at concentrations of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119490822-33-xxxx EC No. 204-884-0 CAS 128-39-2	2,6-di-tert-butylphenol Skin Irrit. 2; H315. Aquatic Acute 1; H400. Aquatic Chronic 1; H410.	1 - 2 %
EC No. 204-694-8 CAS 124-28-7	N,N-Dimethyloctadecan-1-amine Acute Tox. 4; H302. Skin Corr. 1B; H314. Eye Dam. 1; H318. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. M-factors: Aquatic Acute 1: M = 10. Aquatic Chronic 1: M = 1.	0,1 - 0,5 %
REACH 01-2119510877-33-xxxx list no. 620-540-6 CAS 1218787-32-6	Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs. Acute Tox. 4; H302. Skin Corr. 1C; H314. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. M-factors: Aquatic Acute 1: M = 10. Aquatic Chronic 1: M = 1.	< 0,25 %
REACH 01-2119974116-35-xxxx list no. 939-485-7 CAS -	3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine Acute Tox. 4; H302. Skin Corr. 1B; H314. Eye Dam. 1; H318. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. M-factors: Aquatic Acute 1: M = 100. Aquatic Chronic 1: M = 1.	< 0,1 %

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

Additional information: The highly refined mineral oil contains <3% (w/w) DMSO extract, according to IP346.

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.

Following skin contact: Remove residues with soap and water. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an opthalmologist.

After swallowing: Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water mist, foam, extinguishing powder.

Extinguishing media which must not be used for safety reasons:

Full water jet.

5.2 Special hazards arising from the substance or mixture

May form dangerous gases and vapours in case of fire.
Furthermore, there may develop: Nitrogen oxides (NOx), carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information: Cool endangered containers with water spray jet. Do not allow fire water to penetrate into surface or ground water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe mist/vapours/spray. Avoid contact with the substance.
If possible, eliminate leakage. Provide adequate ventilation.
Wear appropriate protective equipment. Keep unprotected people away.
Take off contaminated clothing and wash it before reuse.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains.
If necessary, notify appropriate authorities.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.
Never return spills in original containers for re-use.

Additional information: Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe mist/vapours/spray. Wear appropriate protective equipment. Do not get in eyes, on skin, or on clothing.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.
Temperature of use: < 40 °C.

Precautions against fire and explosion:
Keep away from heat.
When handling larger quantities, take precautionary measures against electrostatic charging.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:
Keep container tightly closed and in a well-ventilated place.
Keep container dry. Keep only in the original container.
Protect from heat and direct sunlight. Store containers in upright position.
Recommended storage temperature: ≤ 40 °C.

Hints on joint storage: Do not store together with: Strong oxidizing agents, acids, bases.
Keep away from food, drink and animal feedingstuffs.

Storage class: 10 = Combustible liquids that cannot be assigned to any of the above storage classes

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment

Occupational exposure controls

Respiratory protection: Usually no personal respirative protection necessary.
In case of inadequate ventilation wear respiratory protection.
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.

Hand protection: Protective gloves according to DIN EN ISO 374-1.
Glove material: Nitrile rubber
Layer thickness: > 0,35 mm
Breakthrough time: > 480 min
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to DIN EN ISO 16321-1.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:
Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	liquid Form: oil
Colour:	red
Odour:	Characteristic
Melting point/freezing point:	No data available
Boiling point:	No data available
Flammability:	This material is combustible, but will not ignite readily.
Lower and upper explosion limit:	No data available
Flash point:	> 200 °C (ASTM D92)
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	Not applicable
Kinematic viscosity:	at 40 °C: 33,3 mm²/s (ASTM D445)
Water solubility:	Product is not soluble in water, and floats on water.

Partition coefficient n-octanol/water (log value):	> 6,91 log P(o/w) (N,N-Dimethyloctadecan-1-amine) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. 4,5 log K(o/w) (2,6-di-tert-butylphenol) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. 3,6 log K(o/w) (Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs.) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected. -0,34 log P(o/w) (3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine) Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.
Vapour pressure:	No data available
Density:	at 15 °C: 0,857 g/mL (ASTM D4052)
Relative vapour density:	No data available
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.
Protect from direct sunlight.

10.5 Incompatible materials

Strong oxidizing agents, acids, bases.

10.6 Hazardous decomposition products

No hazardous decomposition products when regulations for storage and handling are observed.

Thermal decomposition: No data available

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological effects:

The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.

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

Germ cell mutagenicity/Genotoxicity: 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.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (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:

None

Other information:

Information about 2,6-di-tert-butylphenol (CAS 128-39-2):
LD50 Rat, oral: > 5.000 mg/kg (OECD 401)
LD50 Rabbit, dermal: > 5.000 mg/kg

Information about N,N-Dimethyloctadecan-1-amine (CAS 124-28-7):
LD50 Rat, oral: 1.320 mg/kg (OECD 401)
LD50 Rabbit, dermal: 8.000 mg/kg

Information about Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs. (CAS 1218787-32-6):
LD50 Rat, oral: 1.200 mg/kg (OECD 425)

Information about 3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine (List no. 939-485-7):
LD50 Rat, oral: 300 - 2.000 mg/kg (OECD 423)

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

Information about 2,6-di-tert-butylphenol (CAS 128-39-2):
Fish toxicity:
LC50 Pimephales promelas (fathead minnow): 1,4 mg/L/96h (OECD 204)
Daphnia toxicity:
EC50 Daphnia magna (Big water flea): 0,45 mg/L/48h
NOEC Daphnia magna (Big water flea): 0,035 mg/L/21d (OECD 211)
Algae toxicity:
EC50 Pseudokirchneriella subcapitata (green algae): 1,4 mg/L/72h

Information about N,N-Dimethyloctadecan-1-amine (CAS 124-28-7):
Fish toxicity:
LC50 Danio rerio (zebrafish): 0,26 mg/L/96h
Daphnia toxicity:
EC50 Daphnia magna (Big water flea): 0,0558 mg/L/48h
NOEC Daphnia magna (Big water flea): 0,036 mg/L/21d
Algae toxicity:
EC50: 0,0165 mg/L/72h

Information about Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs. (CAS 1218787-32-6):
Fish toxicity:
LC50 Danio rerio (zebrafish): 0,1 mg/L/96h (OECD 203)
LC50 Danio rerio (zebrafish): 11,7 µg/L/35d (OECD 210)
Daphnia toxicity:
EC50 Daphnia magna (Big water flea): 77,8 µg/L/48h (OECD 202)
NOEC Daphnia magna (Big water flea): 38,7 µg/L/21d (OECD 211)
Algae toxicity:
EC50 Pseudokirchneriella subcapitata (green algae): 0,421 µg/L/72h (OECD 201)

Information about 3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine (List no. 939-485-7):
Fish toxicity:
LC50 Danio rerio (zebrafish): 2,14 mg/L/96h (OECD 203)
Daphnia toxicity:
EC50 Daphnia magna (Big water flea): 1,91 mg/L/21d (OECD 211)
Algae toxicity:
EC50 Pseudokirchneriella subcapitata (green algae): 82,7 µg/L/72h (OECD 201)

Water Hazard Class: 3 = highly hazardous to water (Self-classification (mixture).)

12.2 Persistence and degradability

Further details:

Biodegradability:
Poorly biodegradable.

Information about 2,6-di-tert-butylphenol (CAS 128-39-2):
Oxygen consumption: 12 - 24%/28d, not inherently biodegradable (OECD 302 C).

Information about N,N-Dimethyloctadecan-1-amine (CAS 124-28-7):
68%/28d, not easily bio-degradable (OECD 301 D).

Information about Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs. (CAS 1218787-32-6):
Oxygen consumption: 60 - 65%/28d, readily biodegradable (OECD 301 D).

Information about 3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine (List no. 939-485-7):
Oxygen consumption: 61 - 67%/28d, readily biodegradable (OECD 301 D).

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

> 6,91 log P(o/w) (N,N-Dimethyloctadecan-1-amine)
Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
4,5 log K(o/w) (2,6-di-tert-butylphenol)
Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
3,6 log K(o/w) (Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs.)
Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.
-0,34 log P(o/w) (3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine)
Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The product contains no components classified as PBT or as vPvB at concentrations of 0.1% or higher.

12.6 Endocrine disrupting properties

None

12.7 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 13 02 05* = Mineral-based non-chlorinated engine, gear and lubricating oils
* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.

Package

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled.

Section 14. Transport information

14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR: not applicable

ADN: ID 9006

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: Not restricted

ADN: ID 9006, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR: not applicable

ADN: Class 9, Code: M12

14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR: not applicable

14.5 Environmental hazards

Dangerous for the environment: Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG: no

14.6 Special precautions for user

Inland waterway craft (ADN)

Hazard label: -

Transport permitted: T

Equipment necessary: PP

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

National regulations - Germany

Storage class: 10 = Combustible liquids that cannot be assigned to any of the above storage classes

Water Hazard Class: 3 = highly hazardous to water (Self-classification (mixture).)

Technical guidance air: 5.2.5

Further regulations, limitations and legal requirements:

No data available

National regulations - EC member states

Further regulations, limitations and legal requirements:

Use restriction according to REACH annex XVII, no.: 3, 75

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Classification procedure: Physical hazards: on basis of test data
Health hazards, environmental hazards: calculation method

Wording of the H-phrases under paragraph 2 and 3:

H302 = Harmful if swallowed.
H314 = Causes severe skin burns and eye damage.
H315 = Causes skin irritation.
H318 = Causes serious eye damage.
H400 = Very toxic to aquatic life.
H410 = Very toxic to aquatic life with long lasting effects.
H412 = Harmful to aquatic life with long lasting effects.

Date of first version: 22.5.2026

Department issuing data sheet:

see section 1: Department responsible for information

Abbreviations and acronyms:

Acute Tox.: Acute toxicity
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
Aquatic Acute: Hazardous to the aquatic environment - acute
Aquatic Chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EC50: Effective Concentration 50%
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
EN: European Standard
EQ: Excepted quantities
EU: European Union
Eye Dam.: Eye damage
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
IMO: International Maritime Organization
LC50: Median lethal concentration
LD50: Lethal dose 50%
log P(o/w): Partition coefficient: octanol/water
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
M-factor: Multiplication factor
NOEC: No Observed Effect Concentration
OECD: Organisation for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Corr.: Skin corrosion
Skin Irrit.: Skin irritation
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Most recent product information is available at:
https://sumdat.net/cvira6z5