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

1.1 Product identifier

Trade name: Eni Rotra ATF VI DE

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

General use: Transmission oil

1.3 Details of the supplier of the safety data sheet

Company name: Enilive Schmiertechnik GmbH
Street/POB-No.: Paradiesstraße 14
Postal Code, city: 97080 Würzburg
Germany
E-mail: 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
E-mail: 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.

Special labelling

EUH208	Contains reaction products of amines, dicoco alkyl and glycollic acid, 3-(dicocoalkylamino)-1,2-propanediol, 1-(tert-Dodecylthio)propan-2-ol, Benzene, polypropene derivatives, sulfonated, calcium salts(Polymer) and C14-18 alpha-olefin epoxide, reaction products with boric acid. May produce an allergic reaction.

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 does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: A mixture of hydrocarbons and additives.

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119969520-35-xxxx list no. 800-172-4 CAS 398141-87-2	Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich Aquatic Chronic 2; H411.	< 1,5 %
REACH 01-0000019770-68-xxxx EC No. 471-920-1 CAS 866259-61-2	reaction products of amines, dicoco alkyl and glycollic acid Skin Sens. 1B; H317. Specific concentration limits (SCL): Skin Sens. 1B; H317: C ≥ 9,4 %	< 1 %
REACH 01-0000020142-86-xxxx EC No. 482-000-4	3-(dicocoalkylamino)-1,2-propanediol Skin Sens. 1; H317. Aquatic Chronic 3; H412.	< 1 %
REACH 01-2119953277-30-xxxx EC No. 266-582-5 CAS 67124-09-8	1-(tert-Dodecylthio)propan-2-ol Skin Sens. 1B; H317. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. Specific concentration limits (SCL): Skin Sens. 1B; H317: C ≥ 14,2 %	< 1 %
list no. 616-278-7 CAS 75975-85-8	Benzene, polypropene derivatives, sulfonated, calcium salts (Polymer) Skin Sens. 1B; H317. Specific concentration limits (SCL): Skin Sens. 1B; H317: C ≥ 10 %	< 0,25 %
REACH 01-2119976364-28-xxxx list no. 939-580-3	C14-18 alpha-olefin epoxide, reaction products with boric acid Skin Sens. 1B; H317.	< 0,25 %
REACH 01-2119979081-35-xxxx EC No. 249-596-6 CAS 29385-43-1	Methyl-1H-benzotriazole Acute Tox. 4; H302. Repr. 2; H361d. Aquatic Chronic 2; H411.	< 0,25 %
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. Eye Dam. 1; H318. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. M-factors: Aquatic Acute 1: M = 10. Aquatic Chronic 1: M = 1.	0,01 - 0,035 %
REACH 01-2119777867-13-xxxx EC No. 202-414-9 CAS 95-38-5	2-(2-Heptadec-8-enyl-2-imidazolin-1-yl)ethanol Acute Tox. 4; H302. Skin Corr. 1C; H314. Eye Dam. 1; H318. STOT RE 2; H373. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. M-factors: Aquatic Acute 1: M = 10. Aquatic Chronic 1: M = 1.	< 0,025 %

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

General information: If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.

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: Immediately clean with water and soap followed by thorough rinsing. 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 eye irritation consult an ophthalmologist.

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

4.2 Most important symptoms and effects, both acute and delayed

May cause allergic reactions in already sensitized persons.

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 spray jet, 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

Combustible.
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 jetspray. Move undamaged containers from immediate hazard area if it can be done safely.
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

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 surface water or drains. Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
Make sure spills can be contained, e.g. in sump pallets or kerbed areas.
Never return spills in original containers for re-use.
Clean contaminated articles and floor according to the environmental legislation.

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. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.
Have eye wash bottle or eye rinse ready at work place.

Precautions against fire and explosion:
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Take action to prevent static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:
Store container tightly closed in a dry and cool place.
Store only in original container.
Protect from heat and direct sunlight.
Recommended storage temperature: < 40 °C

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

Storage class: 10 = Combustible liquids, unless storage class 3

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: 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. If the concentration is exceeded, self-contained breathing apparatus must be used.

Hand protection: Protective gloves according to DIN EN 374.
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 16321-1:2022.

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.
Take off contaminated clothing and wash it before reuse.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
Have eye wash bottle or eye rinse ready at work place.

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: Oily
Colour:	red
Odour:	Characteristic
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	> 200 °C (ASTM D92)
Decomposition temperature:	No data available
pH:	No data available
Viscosity, kinematic:	at 40 °C: 31 mm²/s
Water solubility:	Insoluble

Partition coefficient: n-octanol/water:	>= 7 log K(o/w) (2-(2-Heptadec-8-enyl-2-imidazolin-1-yl)ethanol) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. 1,71 log K(o/w) (Methyl-1H-benzotriazole) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected. 5,7 log K(o/w) (1-(tert-Dodecylthio)propan-2-ol) 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. 4,1 log K(o/w) (Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. 9,4 log K(o/w) (C14-18 alpha-olefin epoxide, reaction products with boric acid) Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
Vapour pressure:	No data available
Density:	at 15 °C: 0,85 g/mL
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
Evaporation rate:	No data available
Additional information:	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.

10.5 Incompatible materials

Strong oxidizing agents, acids, bases

10.6 Hazardous decomposition products

No decomposition when used properly.

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): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Lack of data.

Serious eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data. Contains reaction products of amines, dicoco alkyl and glycollic acid, 3-(dicocoalkylamino)-1,2-propanediol, 1-(tert-Dodecylthio)propan-2-ol, Benzene, polypropene derivatives, sulfonated, calcium salts(Polymer) and C14-18 alpha-olefin epoxide, reaction products with boric acid. May produce an allergic reaction.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.
Information about 2-(2-Heptadec-8-enyl-2-imidazolin-1-yl)ethanol: May cause damage to organs through prolonged or repeated exposure.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

11.2 Information on other hazards

Endocrine disrupting properties:

None

Other information: No data available

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Harmful to aquatic life with long lasting effects.
Information about Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich:
Fish toxicity: LL50 Oncorhynchus mykiss: 2,4 mg/L/96h
NOELR: 1 mg/L/96h
Daphnia toxicity: EC50 Daphnia magna (Big water flea): 4,6 mg/L/48h
NOELC: 0,63 mg/L/48h
Algae toxicity: EbL50 Desmodesmus subspicatus (green algae): 3,5 mg/L/72h
NOELR: 0,313 mg/L/72h

Information about reaction products of amines, dicoco alkyl and glycollic acid:
Fish toxicity: LL50 Oncorhynchus mykiss: 610 mg/L/96h
NOELR: 180 mg/L/96h
Daphnia toxicity: EC50 Daphnia magna (Big water flea): 77 mg/L/48h
NOELC: 13 mg/L/48h
Algae toxicity: EL50 Scenedesmus subspicatus: > 160 mg/L/72h
NOELR: 20 mg/L/72h

Information about 1-(tert-Dodecylthio)propan-2-ol:
Fish toxicity: LL50 Oncorhynchus mykiss: 0,75 mg/L/96h
NOELR: 0,56 mg/L/96h
Daphnia toxicity: EL50 Daphnia magna (Big water flea): 0,58 mg/L/48h
NOELC: 0,32 mg/L/48h
Algae toxicity: EL50 Scenedesmus subspicatus: > 100 mg/L/96h
NOELR: 100 mg/L/96h

Information about C14-18 alpha-olefin epoxide, reaction products with boric acid:
Fish toxicity: LL50 Oncorhynchus mykiss: > 100 mg/L/96h
NOELR: 100 mg/L/96h
Daphnia toxicity: EL50 Daphnia magna (Big water flea): > 100 mg/L/48h
NOELR: 100 mg/L/48h
Algae toxicity: EL50 Pseudokirchneriella subcapitata (green algae): > 100 mg/L/72h
NOELR: 100 mg/L/72h

Information about Methyl-1H-benzotriazole:
Fish toxicity: LL50 Brachydanio rerio (Zebra-fish): 180 mg/L/96h
Daphnia toxicity: EC50 Daphnia magna (Big water flea): 100 mg/L/48h
Algae toxicity: EL50 Pseudokirchneriella subcapitata (green algae): 75 mg/L/72h
NOELC: 1,18 mg/L/72h

Information about Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs.:
Fish toxicity: LL50 Brachydanio rerio (Zebra-fish): 0,1 mg/L/96h
Daphnia toxicity: EC50 Daphnia magna (Big water flea): 0,043 mg/L/48h
Algae toxicity: EC50 Pseudokirchneriella subcapitata (green algae): 86,7 µg/L/72h

Information about 2-(2-Heptadec-8-enyl-2-imidazolin-1-yl)ethanol:
Fish toxicity: LC50 Brachydanio rerio (Zebra-fish): 0,3 mg/L/96h
Daphnia toxicity: EC50 Daphnia magna (Big water flea): 0,163 mg/L/48h
Algae toxicity: EC50 Pseudokirchneriella subcapitata (green algae): 0,03 µg/L/72h

Water Hazard Class: 2 = obviously hazardous to water (Self-classification (mixture).)

12.2 Persistence and degradability

Further details: Not readily biodegradable (according to OECD criteria).

Information about Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich:
9,6 %/28d (OECD TG 301 F). Not easily bio-degradable.
Information about Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics: 63 %
Information about 1-(tert-Dodecylthio)propan-2-ol: 5,9 %/28d (OECD TG 301 F).
Information about C14-18 alpha-olefin epoxide, reaction products with boric acid: 26,7 %
Not easily bio-degradable.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

>= 7 log K(o/w) (2-(2-Heptadec-8-enyl-2-imidazolin-1-yl)ethanol)
Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
1,71 log K(o/w) (Methyl-1H-benzotriazole)
Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.
5,7 log K(o/w) (1-(tert-Dodecylthio)propan-2-ol)
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.
4,1 log K(o/w) (Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich)
Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
9,4 log K(o/w) (C14-18 alpha-olefin epoxide, reaction products with boric acid)
Based on the n-octanol/water partition coefficient accumulation in organisms is possible.

12.4 Mobility in soil

Product is not soluble in water, and floats on water.

12.5 Results of PBT and vPvB assessment

The product does not contain any substances classified as PBT or vPvB.

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 06* = synthetic engine, gear and lubricating oils
* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.
Do not dispose of with household waste.

Package

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

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, unless storage class 3

Water Hazard Class: 2 = obviously hazardous to water (Self-classification (mixture).)

Technical guidance air: 5.2.5

Further regulations, limitations and legal requirements:

The product is not subject to the Chemicals Prohibition Ordinance (ChemVerbotsV).

National regulations - EC member states

Labelling of packaging with <= 125mL content

Hazard statements:

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, Benzene, polypropene derivatives, sulfonated, calcium salts(Polymer) and C14-18 alpha-olefin epoxide, reaction products with boric acid. May produce an allergic reaction.

Precautionary statements: not applicable

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

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

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, Benzene, polypropene derivatives, sulfonated, calcium salts(Polymer) and C14-18 alpha-olefin epoxide, reaction products with boric acid. May produce an allergic reaction.

Reason of change: Changes in section 1: Details of the supplier of the safety data sheet
General revision

Date of first version: 10.7.2023

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
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
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
M-factor: Multiplication factor
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
Repr.: Reproductive toxicity
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Corr.: Skin corrosion
Skin Sens.: Skin sensitisation
STOT RE: Specific target organ toxicity - repeated exposure
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:
http://sumdat.net/ia6rtmgq