

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878



GEAR GREASE FT3

Product number 146

Version: 6.0
Replaces version: 5.0

Revision date: 17.5.2023
Date of print: 5.6.2023

Page: 1 of 9
Language: en-DE,AT,GB

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

1.1 Product identifier

Trade name: GEAR GREASE FT3

This safety data sheet pertains to the following products:
Article number: 86396003 - GEAR GREASE FT3

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

General use: lubricants.
For industrial purposes only

1.3 Details of the supplier of the safety data sheet

Company name: August Rüggeberg GmbH & Co. KG
PFERD-Werkzeuge
Street/POB-No.: Hauptstraße 13
Postal Code, city: 51709 Marienheide
Germany
WWW: www.pferd.com
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Telephone: +49 (0) 2264-9-0

1.4 Emergency telephone number

Germany: 0800-181-5313
Austria: 0800-802278
France: 0805-089352
Italy: 800-794-834
Bulgaria: 359-32571722
Poland: +48-223073296
Sweden: 020-889-215
Greece: 30-2111981153
Other EU-Countries: 1-813-248-0585

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 N-1-Naphthylaniline. May produce an allergic reaction.

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GEAR GREASE FT3

Product number 146

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Revision date: 17.5.2023
Date of print: 5.6.2023

Page: 2 of 9
Language: en-DE,AT,GB

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:
No data available

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Mineral-oil based lubricating grease containing bentonit as thickening agent

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2120762063-61-xxxx EC No. 241-300-3 CAS 17265-14-4	Disodium sebacate Eye Irrit. 2; H319.	< 3 %
REACH 01-2119488704-27-xxxxN-1-Naphthylaniline EC No. 201-983-0 CAS 90-30-2	Acute Tox. 4; H302. Skin Sens. 1; H317. STOT RE 2; H373. Aquatic Acute 1; H400. Aquatic Chronic 1; H410.	< 0,5 %
REACH 01-2119471836-27-xxxxSodium nitrite EC No. 231-555-9 CAS 7632-00-0	Ox. Sol. 3; H272. Acute Tox. 3; H301. Aquatic Acute 1; H400.	< 0,3 %
REACH 01-2119777867-13-xxxx2-(2-Heptadec-8-enyl-2-imidazolin-1-yl)ethanol EC No. 202-414-9 CAS 95-38-5	Acute Tox. 4; H302. Skin Corr. 1C; H314. STOT RE 2; H373. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. M-factors: Aquatic Acute 1: M = 10.	< 0,3 %

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

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of inhalation: Provide fresh air. Seek medical treatment in case of troubles.

Following skin contact: Remove residues with soap and water. 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: Seek medical treatment in case of troubles.

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.

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GEAR GREASE FT3

Product number 146

Version: 6.0
Replaces version: 5.0

Revision date: 17.5.2023
Date of print: 5.6.2023

Page: 3 of 9
Language: en-DE,AT,GB

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Extinguishing is to be in accordance with the surrounding fire.

Extinguishing media which must not be used for safety reasons:

Full water jet

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: metallic oxides, nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained breathing apparatus.

Additional information:

Hazchem-Code: -

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

Avoid contact with skin and eyes. Wear appropriate protective equipment.
Provide adequate ventilation. Do not breathe vapours.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains.
Inform the relevant authorities in case of leakage into sewers, aquatic environment or soil.

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

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.
Avoid contact with skin and eyes. Wear appropriate protective equipment. Do not breathe vapours.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store only in original container. Keep container tightly closed.
storage temperature: 0 °C up to 40°C.
Protect from heat and direct sunlight.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.
Keep away from oxidizing agents.

Storage class:

12 = Non-combustible liquids

7.3 Specific end use(s)

No information available.

SAFETY DATA SHEET

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GEAR GREASE FT3

Product number 146

Version: 6.0
Replaces version: 5.0

Revision date: 17.5.2023
Date of print: 5.6.2023

Page: 4 of 9
Language: en-DE,AT,GB

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
	GEAR GREASE FT3	Austria: MAK Kurzzeit-Mittelwert	10 mg/m ³ (Dust limit value, respirable fraction)
		Austria: MAK Kurzzeit-Mittelwert	20 mg/m ³ (Dust limit value, inhalable fraction)
		Austria: MAK Langzeit-Mittelwert	10 mg/m ³ (Dust limit value, inhalable fraction)
		Austria: MAK Langzeit-Mittelwert	5 mg/m ³ (Dust limit value, respirable fraction)
		Germany: DFG Kurzzeit	2,4 mg/m ³ (Dust limit value, respirable fraction)
		Germany: DFG Langzeit	0,3 mg/m ³ (Dust limit value, respirable fraction)
		Germany: DFG Langzeit	4 mg/m ³ (Dust limit value, inhalable fraction)
		Germany: TRGS 900 Kurzzeit	2,5 mg/m ³ (Dust limit value, respirable fraction)
		Germany: TRGS 900 Kurzzeit	20 mg/m ³ (Dust limit value, inhalable fraction)
		Germany: TRGS 900 Langzeit	1,25 mg/m ³ (Dust limit value, respirable fraction)
		Germany: TRGS 900 Langzeit	10 mg/m ³ (Dust limit value, inhalable fraction)
		Great Britain: WEL-TWA	10 mg/m ³ (Dust limit value, inhalable fraction)
		Great Britain: WEL-TWA	4 mg/m ³ (Dust limit value, respirable fraction)
90-30-2	N-1-Naphthylaniline	Germany: TRGS 900 Kurzzeit	4 mg/m ³ (inhalable fraction)
		Germany: TRGS 900 Langzeit	2 mg/m ³ (inhalable fraction)

Additional information: Observe in addition any national 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: Wear breathing apparatus if exposed to vapours/dusts/aerosols.
Particulates filter P1 according to EN 143.

Hand protection: Protective gloves according to EN 374.
Glove material: Nitrile rubber
Thickness: 0,3 mm
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to BS EN ISO 16321-1:2022.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:
Do not breathe vapours. 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.

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
Colour:	light brown
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

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according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878



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Product number 146

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Replaces version: 5.0

Revision date: 17.5.2023
Date of print: 5.6.2023

Page: 5 of 9
Language: en-DE,AT,GB

Flash point/flash point range: No data available
Decomposition temperature: No data available
pH: No data available
Viscosity, kinematic: No data available
Water solubility: insoluble
Partition coefficient: n-octanol/water: No data available
Vapour pressure: No data available
Density: at 20 °C: 0,93 g/cm³ (ASTM D1217)
Vapour density: No data available
Particle characteristics: Not applicable

9.2 Other information

Explosive properties: Product is not explosive.
Oxidizing characteristics: No data available
Auto-ignition temperature: not self-igniting
Evaporation rate: No data available
Additional information: Penetration value: 265 - 295 mm/10 (25°C; ISO 2137)

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 dangerous reactions are known.

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

strong oxidizing agents

10.6 Hazardous decomposition products

Thermal decomposition: No hazardous decomposition products when regulations for storage and handling are observed.
No data available

SECTION 11: Toxicological information

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

Acute toxicity: LD50 Rat, oral: > 2000 mg/kg
LC50 Rat, inhalative: > 5100 mg/m³/4h

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Product number 146

Version: 6.0
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Revision date: 17.5.2023
Date of print: 5.6.2023

Page: 6 of 9
Language: en-DE,AT,GB

Toxicological effects:

- Acute toxicity (oral): Based on available data, the classification criteria are not met.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- 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: Lack of data.
- Skin sensitisation: Based on available data, the classification criteria are not met. Contains N-1-Naphthylaniline. 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.
- Specific target organ toxicity (repeated exposure): Lack of data.
- Aspiration hazard: Lack of data.

11.2 Information on other hazards

Endocrine disrupting properties:

No data available

Other information:

Information about N-1-Naphthylaniline:

LD50, Rat, oral: 1625 mg/kg

Information about 2-(2-Heptadec-8-enyl-2-imidazolin-1-yl)ethanol:

LD50, Rat, oral: 1265 mg/kg (OECD 401)

LD50, Rabbit, dermal: > 2000 mg/kg (OECD 404)

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

Information about N-1-Naphthylaniline:

Fish toxicity:

LC50 Oncorhynchus mykiss: 0,44 mg/L/96 h (OECD 203).

Information about 2-(2-Heptadec-8-enyl-2-imidazolin-1-yl)ethanol:

Algae toxicity:

EC50 Desmodesmus subspicatus (green algae): 0,03 mg/L/72h (OECD 201).

Fish toxicity:

EC50 Danio rerio (zebrafish) 0,3 mg/L/96 h (OECD 203).

Water Hazard Class:

2 = obviously hazardous to water

12.2 Persistence and degradability

Further details:

No data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

SAFETY DATA SHEET

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GEAR GREASE FT3

Product number 146

Version: 6.0
Replaces version: 5.0

Revision date: 17.5.2023
Date of print: 5.6.2023

Page: 7 of 9
Language: en-DE,AT,GB

12.6 Endocrine disrupting properties

No data available

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: 12 01 12* = spent waxes and fats
* = Evidence for disposal must be provided.

Recommendation: Do not dispose of with household waste. Do not empty into drains.

Package

Recommendation: Dispose of waste according to applicable legislation.

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

Only dangerous if carried on tank-ships.

14.7 Maritime transport in bulk according to IMO instruments

No data available

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Revision date: 17.5.2023
Date of print: 5.6.2023

Page: 8 of 9
Language: en-DE,AT,GB

SECTION 15: Regulatory information

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

National regulations - Germany

Storage class: 12 = Non-combustible liquids
Water Hazard Class: 2 = obviously hazardous to water
Technical guidance air: 5.2.5
Further regulations, limitations and legal requirements:
No data available

National regulations - Austria

Storage class: 12 = Non-combustible liquids
Further regulations, limitations and legal requirements:
No data available

National regulations - Great Britain

Hazchem-Code: -
No data available

National regulations - EC member states

Labelling of packaging with <= 125mL content

Hazard statements: H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains N-1-Naphthylaniline. 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:

H272 = May intensify fire; oxidiser.
H301 = Toxic if swallowed.
H302 = Harmful if swallowed.
H314 = Causes severe skin burns and eye damage.
H317 = May cause an allergic skin reaction.
H319 = Causes serious eye irritation.
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.
H412 = Harmful to aquatic life with long lasting effects.
EUH208 = Contains N-1-Naphthylaniline. May produce an allergic reaction.

Reason of change: Changes in section 3: Composition / Information on ingredients
Changes in section 7: Handling and storage
Changes in section 14: Transport information (ADN)
General revision

Date of first version: 18.6.2013

Department issuing data sheet:
see section 1: Department responsible for information

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878



GEAR GREASE FT3

Product number 146

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Page: 9 of 9
Language: en-DE,AT,GB

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%
- EN: European Standard
- EQ: Excepted quantities
- EU: European Union
- Eye Irrit.: Eye irritation
- 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
- LC50: Median lethal concentration
- LD50: Lethal dose 50%
- MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
- M-factor: Multiplication factor
- OSHA: Occupational Safety and Health Administration
- Ox. Sol.: Oxidising solids
- 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 Sens.: Skin sensitisation
- STOT RE: Specific target organ toxicity - repeated exposure
- TRGS: Technical Rules for Hazardous Substances
- vPvB: Very persistent and very bioaccumulative

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products.