

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
Trade name : FIBROLIT® - Fett-LD
Product code : 280.34

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Use of the substance/mixture : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet**Supplier**

FIBRO GmbH Geschäftsbereich Normalien
August-Läpple-Weg
P.O. Box 1120
74855 Hassmersheim - Deutschland
T +49 6266-73-0 - F +49 6266-73-237
info@fibro.de

Safety Data Sheet

info@ubsplus.de

1.4. Emergency telephone number

Emergency number : +49 761 19240
(VIZ Freiburg, 24 h, German & English)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

No labelling applicable

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients**3.1. Substances**

Not applicable

3.2. Mixtures

Comments (on top of composition) : synthetic engine, gear and lubricating oils
Silicate

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Silicon dioxide	(CAS-No.) 7631-86-9 (EC-No.) 231-545-4 (REACH-no) 01-2119379499-16	1 - 10	Not classified

SECTION 4: First aid measures**4.1. Description of first aid measures**

First-aid measures general	: Move the affected person away from the contaminated area.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Immediately remove contaminated clothing or footwear. Rinse and then wash skin thoroughly with water and soap. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Wash with plenty of water (during 20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.
First-aid measures after ingestion	: Rinse mouth with water, do not induce vomiting, call a doctor.

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

No additional information 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, carbon dioxide (CO ₂), powder and foam. Making extinguishing agents environment-friendly.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Explosion hazard	: Risk of explosion if heated under confinement. Cool down the containers exposed to heat with a water spray.
Hazardous decomposition products in case of fire	: Metallic oxides. Carbon monoxide. Carbon dioxide. Halogenated compounds.

5.3. Advice for firefighters

Precautionary measures fire	: Evacuate area.
Firefighting instructions	: Do not allow run-off from fire fighting to enter drains or water courses. Do not contaminate ground and surface water.
Protection during firefighting	: Extra personal protection: complete protective clothing including self-contained breathing apparatus.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

General measures : Evacuate the danger area. Keep public away from danger area. Mark the danger area.

6.1.1. For non-emergency personnel

Protective equipment : Wear personal protective equipment.

6.1.2. For emergency responders

Protective equipment : Wear personal protective equipment.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Dike and contain spill. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).
Other information	: Stop leak if safe to do so.

6.4. Reference to other sections

Fire fighting measures. SECTION 5. Personal protective equipment. SECTION 8. Disposal considerations. SECTION 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Precautions for safe handling	: Read label before use.
Hygiene measures	: Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with soap and water before leaving work. Apply emollient cream.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated place.

Heat and ignition sources	: Store away from direct sunlight or other heat sources. Keep away from sources of ignition - No smoking.
Information on mixed storage	: Keep away from food, drink and animal feeding stuffs.
Storage area	: Store away from heat.
Special rules on packaging	: Keep in original containers.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection
8.1. Control parameters

Silicon dioxide (7631-86-9)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, inhalation	4 mg/m ³

8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Materials for protective clothing	: Wear proper protective equipment
Hand protection	: IF exposed: Chemically resistant protective gloves (EN 374). Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. . Material : Nitrile rubber
Eye protection	: Wear closed safety glasses. (EN 166)
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. Filter type: P2 or P3



Other information	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with skin and eyes.
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SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Paste.
Colour	: Yellow
Odour	: characteristic
Odour threshold	: Not determined
pH	: Not determined
Relative evaporation rate (butylacetate=1)	: Not determined
Melting point	: Not determined
Freezing point	: Not determined
Boiling point	: No data available
Flash point	: Not applicable.
Auto-ignition temperature	: Not determined
Decomposition temperature	: Not determined
Flammability (solid, gas)	: Not determined
Vapour pressure	: < 0.001 hPa (20 °C)
Relative vapour density at 20 °C	: Not determined
Relative density	: Not determined
Density	: 0.87 g/cm ³ (20 °C)
Solubility	: Water: Insoluble
Log Pow	: Not determined
Viscosity, kinematic	: Not determined
Viscosity, dynamic	: Not determined
Explosive properties	: Not known.
Oxidising properties	: Not known.

Explosive limits : Not determined

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity
10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information
11.1. Information on toxicological effects

Acute toxicity : Not classified (No data available)

Silicon dioxide (7631-86-9)	
LD50 oral rat	> 5000 mg/kg (OECD 401)
LD50 dermal rabbit	> 5000 mg/kg

 Skin corrosion/irritation : Not classified (No data available)
 pH: Not determined

 Serious eye damage/irritation : Not classified (No data available)
 pH: Not determined

Respiratory or skin sensitisation : Not classified (No data available)

Germ cell mutagenicity : Not classified (No data available)

Carcinogenicity : Not classified (No data available)

Reproductive toxicity : Not classified (No data available)

STOT-single exposure : Not classified (No data available)

STOT-repeated exposure : Not classified (No data available)

Aspiration hazard : Not classified (No data available)

SECTION 12: Ecological information
12.1. Toxicity

Ecology - water : No data available.

Silicon dioxide (7631-86-9)	
LC50 fish 1	> 10000 mg/l (Brachydanio rerio, OECD 203)

12.2. Persistence and degradability

FIBROLIT® - Fett-LD	
Persistence and degradability	No data available.

12.3. Bioaccumulative potential

FIBROLIT® - Fett-LD	
Log Pow	Not determined
Bioaccumulative potential	Not determined.

12.4. Mobility in soil

FIBROLIT® - Fett-LD	
Ecology - soil	No data available.

12.5. Results of PBT and vPvB assessment
FIBROLIT® - Fett-LD

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations
13.1. Waste treatment methods

Regional legislation (waste) : This material and its container must be disposed of in a safe way, and as per local legislation.
 Sewage disposal recommendations : Do not allow to enter drains or water courses.
 Product/Packaging disposal recommendations : Do not dispose of with domestic waste.
 Additional information : Handle uncleaned empty containers as full ones.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user
- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations

: Ozone layer depleting substances: Not subject to Regulation (EC) No 1005/2009. Persistent organic pollutants (POPs): Not subject to Regulation (EC) No 850/2004. Export and import of dangerous chemicals: Not subject to Regulation (EC) No 649/2012. Control of major-accident hazards (COMAH, Seveso III): Not subject to Directive 2012/18/EC.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

Not specifically applicable

Reason:

Mixtures

SECTION 16: Other information

Indication of changes:

3.1	Composition/information on ingredients	Modified	
8.1	DNEL	Added	
8.2	Protective gloves	Modified	
9	Vapour pressure	Added	
9.1	Colour	Modified	
11	Toxicological information	Added	
12.	Ecological information	Added	

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product