

LubriFluid F 110

MATERIAL SAFETY DATA SHEET

according to 93/112/EC

Product name: LubriFluid F110
Preferable Usage: Minimal Quantity Lubrication

1. Supplier

LUBRIX GmbH
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Germany

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2. Hazards identification

Hazard description:

By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept.

Information pertaining to particular dangers for man and environment:

Void.

3. Composition/Data on components

Chemical characterization:

Fatty alcohol

Identification-No:

Single substance

4. First aid measures

General information:

Change clothes and shoes contaminated by the product. Never put rags contaminated by the product into cloth-pockets.

After skin contact:

Instantly wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water.

After swallowing:

Seek medical treatment.

After inhalation:

Seek medical treatment in case of complaints.

5. Fire fighting measures

Suitable extinguishing agents:	CO ₂ , extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Use fire fighting measures that suit the environment.
For safety reasons unsuitable extinguishing agents:	Water with a full water jet.
Protective equipment:	In case of fire fighting: wear self containing breathing apparatus.

6. Accidental release measures

Person-related safety precautions:	Particular danger of slipping on leaked/spilled product.
Environmental protection measures:	In spite of water pollution Prevent from spreading (e.g. by binding or oil barriers). Do not allow to enter the ground / soil.
Measures for cleaning/collecting:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.
Additional information:	No dangerous materials are released.

7. Handling and storage

Information for safe handling:	Please observe explosion protection measures and exhaust when aerosols are built.
Information about protection against explosions and fires:	Do not heat up to temperatures close to the flash point.
Requirements to be met by storerooms and containers:	No special requirements.
Information about storage in one common storage facility:	Store away from foodstuffs.
Further statements concerning storage conditions:	None.

8. Exposure controls and personal protection

Additional information about design of technical systems:	No further data, see item 7.
Components with critical values that require monitoring at the workplace:	

CAS No.	Designation of material	%	Type	Value	Unit	Not required.
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Additional information:	The lists that were valid during the compilation were used as basis.
Personal protective equipment:	

General protective and hygienic measures:

The usual precautionary measures should be adhered to in handling the chemicals and the mineral oil products.
Avoid close or long term contact with the skin.
Use skin protection cream for preventive skin protection.
Do not carry cleaning cloths impregnated with the product in trouser pockets.

Breathing equipment:

Not required.

Eye equipment:

Safety glasses recommended during refilling.

Hand protection:

Not required.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Body protection:

Protective work clothing.

9. Physical and chemical properties

Form:	fluid	
Colour:	colourless	
Odour:	odourless	
Pour point:	Not determined	
Boiling point:	Not determined	
Flash point:	188 °C	(ISO 2592)
Decomposition temperature:	Not determined	
Danger of explosion:	Product is not explosive	
Density:	0,842 g/cm ³ at 20 °C	(DIN 51 757)
Solubility in / Miscibility with water:	Insoluble.	
Viscosity of Consistency Class:: (cinematic)	27 mm ² /s	(DIN 51 562)

10. Stability and reactivity

Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
Dangerous products of decomposition:	No dangerous decomposition products known.
Dangerous reactions:	No dangerous reactions known.

11. Toxicological information

Acute toxicity:

LD/LC50 values that are relevant for classification:

Oral: LD50: > 2000 mg/kg (rat)
Dermal LD50: > 2000 mg/kg (rabbit)

**Primary irritant effect:
on the skin:**

Irritant effect for skin and mucous membranes possible.

on the eye:

Irritant effect possible.

Sensitisation:

No sensitising effect known.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our actual information. The material is not subject to classification according to EC lists in the last version

12. Ecological information

Information about elimination (persistence and degradability):

Other information: The product is slightly biodegradable.

Behaviour in environmental systems:

Mobility and bioaccumulation potential:

No data available.

Ecotoxical effects:

Behaviour in sewage processing plants:

General notes:

The product swims on the water surface.

Generally not hazardous for water.

Not known to be hazardous to water.

Nevertheless: Do not allow the product to reach ground water / water bodies and/or sewage systems.

13. Disposal considerations

Product: Recommendation

Smaller quantities have to be disposed in line with local legislation. When storing used mineral oil products, ensure that the categories for waste oil and mixing instructions are observed. Delivery of waste oil only to officially authorized collectors.

European waste catalogue 12 01 10: synthetic machining oils.

Uncleaned packagings:

Recommendation:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Small one-way packagings have to be disposed according to the local regulations. EWC 15 01 99.

14. Transport information

Land transport ADR/RID class and GGVS / GGVE (cross border / domestic)

ADR/RID – GGVS/E class:

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Maritime transport IMDG / GGVSea:

IMDG / GGVSea class:

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Marine pollutant:

No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA class:

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Transport/Additional information:

No dangerous good acc. to dangerous goods / transport directions.

15. Regulatory information

Designation according to EU guidelines: The material is not subject to classification according to EU lists and other sources of literature known to us. Observe the normal safety regulations when handling chemicals or mineral oil products.

National regulations

German water hazard class: Generally not hazardous for water. (Self-classification)

16. Other information

All ingredients are listed in the European Inventories. These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This data sheet is a safety data sheet according to 91/155/EU. For products which are not subject to classification according to EU lists this data sheet is made on a voluntary base.

With this latest edition of this MSDS all former editions are not valid any longer.