

Safety Data Sheet According to Regulation (EC) No. 1907/2006, Annex II

1. Identification of the Substance/Mixture and the Company/Undertaking

1.1 Product Identifier

orthosis joint grease, 3g
Article Number: FT1000

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Relevant Identified Uses of the Substance or Mixture:

lubricating grease

Sector of Use [SU]:

SU 3 - Industrial Uses: uses of substances as such or in preparations at industrial sites

SU21 - Consumer Uses: private households (= general public = consumers)

SU22 - Professional Uses: public domain (administration, education, entertainment, services, craftsmen)

Chemical Product Category [PC]:

PC24 - lubricants, greases, release products

Process Category [PROC]:

PROC 1 - use in closed process, no likelihood of exposure.

PROC 2 - use in closed, continuous process with occasional controlled exposure

PROC 8a - transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities

PROC 8b - transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities

PROC 9 - transfer of substance or preparation into small containers (dedicated filling line, including weighing)

PROC 10 - roller application or brushing

Article Categories [AC]:

AC99 - not required

Environmental Release Category [ERC]:

ERC 4 - industrial use of processing aids in processes and products, not becoming part of articles

ERC 7 - industrial use of substances in closed systems

ERC 8a - wide dispersive indoor use of processing aids in open systems

ERC 8d - wide dispersive outdoor use of processing aids in open systems

ERC 9a - wide dispersive indoor use of substances in closed systems

ERC 9b - wide dispersive outdoor use of substances in closed systems

Uses Advised Against:

no information available at present

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer: LIQUI MOLY GmbH
Jerg-Wieland-Straße 4
89081 Ulm-Lehr
Germany
Phone: +49 731 1420-0
Fax: +49 731 1420-88
Email: info@chemical-check.de, k.schnurbusch@chemical-check.de

Supplier: Company FIOR & GENTZ Gesellschaft für Entwicklung und Vertrieb von orthopädiotechnischen Systemen mbH
Dorette-von-Stern-Straße 5
21337 Lüneburg
Germany
Tel.: +49 4131 24445-0
Fax: +49 4131 24445-57
Email: info@fior-gentz.de

1.4 Emergency Telephone

Emergency Information Services/Official Advisory Body:

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Telephone Number of the Company in Case of Emergencies:
+49 731 1420-0

2. Hazards Identification

2.1 Classification of the Substance or Mixture

Classification According to Regulation (EC) 1272/2008 (CLP)

The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

2.2 Label Elements

Labelling According to Regulation (EC) 1272/2008 (CLP)

not applicable

2.3 Other Hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bio-accumulative) or is not included under XIII of the regulation (EC) 1907/2006.

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.

3. Composition/Information on Ingredients

3.1 Substance

not applicable

3.2 Mixture

Registration number (REACH)	-
Index	-
EINECS, ELINCS, NLP	-
CAS	-
Content %	-
Classification according to regulation (EC) 1272/2008 (CLP)	-

4. First Aid Measures**4.1 Description of First Aid Measures**

Inhalation:	not required
Skin Contact:	Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.
Eye Contact:	Wash thoroughly for several minutes using copious water. Seek medical help if necessary.
Ingestion:	Rinse the mouth thoroughly with water. Consult doctor immediately - keep data sheet available.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.
In certain cases, the symptoms of poisoning may only appear after an extended period/ after several hours.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

not checked

5. Firefighting Measures**5.1 Extinguishing Media**

Suitable Extinguishing Media:
CO₂, extinction powder, sand

Unsuitable Extinguishing Media:
water

5.2 Special Hazards Arising from the Substance or Mixture

In case of fire the following can develop:
oxides of carbon, toxic pyrolysis products

5.3 Advice for Firefighters

According to size of fire:
protective respirator with independent air supply;
full protection, if necessary;
Dispose of contaminated extinction water according to official regulations.

6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Avoid contact with eyes or skin.
If applicable, caution - risk of slipping.
Do not carry cleaning cloths soaked in product in trouser pockets.

6.2 Environmental Precautions

If leakage occurs, dam up.
Resolve leaks if this is possible without risk.
Prevent from entering drainage system.
Prevent surface and groundwater infiltration, as well as ground penetration.

6.3 Methods and Material for Containment and Cleaning Up

Pick up mechanically and dispose of according to section 13.

6.4 Reference to other Sections

For personal protective equipment see section 8 and for disposal instructions see section 13.

7. Handling and Storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for Safe Handling

7.1.1 General Recommendations

Eating, drinking, smoking, as well as food-storage, is prohibited in workroom.
Observe directions on label and instructions for use.

7.1.2 Notes on General Hygiene Measures at the Workplace

General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Store product closed and only in original packing.
Not to be stored in gangways or stairwells.

7.3 Specific End Use(s)

no information available at present

8. Exposure Controls/Personal Protection**8.1 Control Parameters**

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8.2 Exposure Controls**8.2.1 Appropriate Engineering Controls**

Ensure good ventilation. This can be achieved by local suction or general air extraction.
If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
Applies only if maximum permissible exposure values are listed here.

8.2.2 Individual Protection Measures, such as Personal Protective Equipment

General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/Face Protection: with danger of contact with eyes
tight fitting protective goggles with side protection (EN 166)

Skin Protection – Hand Protection: normally not necessary
With long-term contact:
protective gloves, oil resistant (EN 374)
If applicable:
protective neoprene®/polychloroprene gloves (EN 374)
protective nitrile gloves (EN 374)
protective hand cream recommended

Skin Protection – Other: protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Respiratory Protection: normally not necessary

Thermal Hazards: If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

Additional Information on Hand Protection:
No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental Exposure Controls

no information available at present

9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical State:	pastelike, liquid
Colour:	white
Odour:	mineral oil
Odour Threshold:	not determined
pH-Value:	not determined
Melting Point/Freezing Point:	not determined
Initial Boiling Point and Boiling Range:	not determined
Flash Point:	201°C (ISO 2592 (Cleveland, open cup))
Evaporation Rate:	not determined
Flammability (Solid, Gas):	no
Lower Explosive Limit:	not determined
Upper Explosive Limit:	not determined
Vapour Pressure:	not determined
Vapour Density (air = 1):	not determined
Density:	0.82g/cm ³ (20°C)
Bulk Density:	not determined
Solubility(ies):	not determined
Water Solubility:	<0.1g/l (20°C)
Partition Coefficient (n-Octanol/Water):	not determined
Autoignition Temperature:	not determined
Decomposition Temperature:	not determined
Viscosity:	not determined
Explosive Properties:	Product is not explosive.
Oxidising Properties:	not determined

9.2 Other Information

Miscibility:	not determined
Fat Solubility/Solvent:	not determined
Conductivity:	not determined
Surface Tension:	not determined
Solvents Content:	not determined

10. Stability and Reactivity

10.1 Reactivity

See also subsection 10.2 to 10.6.
The product has not been tested.

10.2 Chemical Stability

See also subsection 10.1 to 10.6.
Stable with proper storage and handling.

10.3 Possibility of Hazardous Reactions

See also subsection 10.1 to 10.6.

10.4 Conditions to Avoid

See also section 7.

10.5 Incompatible Materials

See also section 7.
None known.

10.6 Hazardous Decomposition Products

See also subsection 10.1 to 10.5.
See also section 5.2.

11. Toxicological Information

11.1 Information on Toxicological Effects

Possibly more information on health effects, see section 2.1 (classification).

Toxicity/Effect	End-point	Value	Unit	Organism	Test Method	Notes
Acute Toxicity, by Oral Route:						no data available
Acute Toxicity, by Dermal Route:						no data available
Acute Toxicity, by Inhalation:						no data available
Skin Corrosion/Irritation:						no data available
Serious Eye Damage/Irritation:						no data available
Sespiratory or Skin Sensitisation:						no data available
Germ Cell Mutagenicity:						no data available
Carcinogenicity:						no data available
Reproductive Toxicity:						no data available

Specific Target Organ Toxicity – Single Exposure (STOT-SE):	no data available
Specific Target Organ Toxicity – Repeated Exposure (STOT-RE):	no data available
Aspiration Hazard:	no data available
Symptoms:	no data available
Other Information:	according to current knowledge that mixture does not endanger man under normal conditions of application; classification according to calculation procedure

12. Ecological Information

Possibly more information on environmental effects, see section 2.1 (classification).

Toxicity/Effect	End-point	Time	Value	Unit	Organism	Test Method	Notes
Toxicity to Fish:							no data available
Toxicity to Daphnia:							no data available
Toxicity to Algae:							no data available
Persistence and Degradability:							mechanical pre- cipitation possible
Bioaccumulative Potential:							no data available
Mobility in Soil:							no data available
Results of PBT and vPvB assessment:							no data available
Other Adverse Effects:							no data available

13. Disposal Considerations

13.1 Waste Treatment Methods

For the Substance/Mixture/Residual Amounts:

Soaked polluted cloths, paper or other organic materials represent a fire hazard and should be controlled, collected and disposed of.

EC Disposal Code No.:

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances (2014/955/EU).
20 01 26 oil and fat other than those mentioned in 20 01 25.

Recommendation:

Sewage disposal shall be discouraged.
Pay attention to local and national official regulations.
Implement substance recycling.
E.g. suitable incineration plant.

For Contaminated Packing Material:

Pay attention to local and national official regulations.
Empty container completely.
Uncontaminated packaging can be recycled.
Dispose of packaging that cannot be cleaned in the same manner as the substance.

14. Transport Information**General Statements:**

UN number: not applicable

Transport by Road/by Rail (ADR/RID):**UN Proper Shipping Name:**

Transport Hazard Class(es): not applicable

Packing Group: not applicable

Classification Code: not applicable

LQ (ADR 2015): not applicable

Environmental Hazards: not applicable

Tunnel Restriction Code: not applicable

Transport by Sea (IMDG-Code):**UN Proper Shipping Name:**

Transport Hazard Class(es): not applicable

Packing Group: not applicable

Marine Pollutant: not applicable

Environmental Hazards: not applicable

Transport by Air (IATA):**UN Proper Shipping Name:**

Transport Hazard Class(es): not applicable

Packing Group: not applicable

Environmental Hazards: not applicable

Special Precautions for User:

Unless specified otherwise, general measures for safe transport must be followed.

Transport in Bulk according to Annex II of MARPOL and the IBC Code:

non-dangerous material according to transport regulations

15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

For classification and labelling see section 2.

Observe restrictions:

General hygiene measures for the handling of chemicals are applicable.

Directive 2010/75/EU (VOC): not applicable

15.2 Chemical Safety Assessment

A chemical safety assessment is not provided for mixtures.

16. Other Information

Revised Sections: 1 - 16

Classification and Processes Used to Derive the Classification of the Mixture in Accordance with the Ordinance (EG) 1272/2008 (CLP):
not applicable

The following phrases represent the posted Hazard Class and Risk Category (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

Any Abbreviations and Acronyms Used in this Document:

AC	Article Categories
ADR	Accord européen relatif transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstract Service
CLP	Classification, Labelling and Packaging) (REGULATION (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures)
e.g.	for example
EC	European Community
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EN	European Norms
ERC	Environmental Release Categories
EU	European Union
Fax.	fax number
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
IBC (Code)	Intermediate Bulk Chemical (Code)
IMDG-code	International Maritime Code for Dangerous Goods
LQ	Limited Quantities
MARPOL	International Convention for the Prevention of Marine Pollution from Ships

PBT	persistent, bioaccumulative and toxic
PC	Chemical Product Category
PROC	Process Category
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
RID	Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)
SU	Sector of Use
Tel.	telephone
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.