

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

1.1 Product identifier

Product name: MALOSSI 7.1 MHR GREASE

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

Identified uses: Lubricating grease

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier

FUCHS LUBRIFICANTI S.p.A.

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Italy

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1.4 Emergency telephone number:

FUCHS LUBRIFICANTI S.P.A +390119922811 (h24)

In case of emergency, for dangerous mixtures subject to notification, refer to Section 16 - List of CAVs active in Italy 24 hours a day, 7 days a week.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous, but needs to be labelled according to regulation (EU) 1272/2008 (CLP).

Classification according to Regulation (EC) No 1272/2008 as amended.

Hazard summary

Physical Hazards: No data available.

2.2 Label Elements

EUH208: Contains Zn compound. May produce an allergic reaction.

EUH210: Safety data sheet available on request.

Product name: MALOSS I 7.1 MHR GREASE

2.3 Information on other hazards

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. The product may not be released into the environment without control.

Endocrine disrupting properties

The substance/mixture 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% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information:

Lubricating grease: Thickener system and additives in solvent refined mineral oil.

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
dilithium sebacate	EINECS: 242-999-8	1,00% - <5,00%	01-2120119384-60	
Amine aromatic , alkylated	EINECS: 270-128-1	1,00% - <3,00%	01-2119491299-23	
Zn compound	EINECS: 234-409-2	0,10% - <1,00%	01-2120783834-41	
Thickener compound for lithium greases	EINECS: 234-514-3	0,10% - <1,00%	01-2120770724-49	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Identifier	Classification
dilithium sebacate	EINECS: 242-999-8	CLP: Acute Tox. 4;H302
Amine aromatic , alkylated	EINECS: 270-128-1	CLP: Repr. 2;H361f, Aquatic Chronic 3;H412
Zn compound	EINECS: 234-409-2	CLP: Aquatic Chronic 2;H411, Skin Sens. 1B;H317, Eye Irrit. 2;H319
Thickener compound for lithium greases	EINECS: 234-514-3	CLP: Acute Tox. 4;H302, Eye Dam. 1;H318, Repr. 2;H361d

CLP: Regulation No. 1272/2008.

specific concentration limit

Chemical name	Identifier	specific concentration limit	Hazard class	Hazard Category	Hazard statements
Thickener compound for lithium greases	EINECS: 234-514-3	3,8 %	Toxic to reproduction	2	H361fd

For the wording of the listed hazard statements refer to section 16.

Please note that the mineral oils and petroleum distillates used in our products are severely refined and have a DMSO extract < 3% as measured by method IP 346 and are not classified as carcinogenic according to Nota L/ Nota N of Annex VI of Regulation EC 1272/2008."

Product name: MALOSS I 7.1 MHR GREASE

SECTION 4: First aid measures

General: Instantly remove any clothing soiled by the product.

4.1 Description of first aid measures

Inhalation: Supply fresh air; consult doctor in case of symptoms.

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids.

Skin Contact: Wash with soap and water.

Ingestion: Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both acute and delayed: May cause skin and eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed: Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: CO₂, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

Unsuitable extinguishing media: Water with a full water jet.

5.2 Special hazards arising from the substance or mixture: During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters

Special fire-fighting procedures: Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Not required.

6.2 Environmental Precautions: Avoid release to the environment. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.

Product name: MALOSS I 7.1 MHR GREASE

6.3 Methods and material for containment and cleaning up:	Scrape up spillage or absorb with absorbing material. Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.
6.4 Reference to other sections:	See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:	Provide adequate ventilation. Observe good industrial hygiene practices. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products.
7.2 Conditions for safe storage, including any incompatibilities:	Local regulations concerning handling and storage of waterpolluting products have to be followed.
7.3 Specific end use(s):	No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

8.2 Exposure controls

Appropriate engineering controls:

Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information:

Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

Eyeface protection:

Avoid contact with skin and eyes. Goggles/face shield are recommended. If risk of splashing, wear safety goggles or face shield.

Product name: MALOSS I 7.1 MHR GREASE

Skin protection

Hand Protection:

Material: Nitrile butyl rubber (NBR).
Min. Breakthrough time: ≥ 480 min
Recommended thickness of the material: $\geq 0,38$ mm

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other:

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Respiratory Protection:

Not relevant, due to the form of the product.

Thermal hazards:

Not known.

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Environmental Controls:

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:

solid

Form:

Paste

Color:

Light brown

Odor:

Characteristic

pH:

substance/mixture is non-soluble (in water)

Drop Point:

250 °C (IP 396)

Boiling Point:

Not applicable

Flash Point:

Not applicable

Evaporation Rate:

Not applicable for mixtures

Flammability (solid, gas):

not determined

Flammability Limit - Upper (%)—:

Not applicable for mixtures

Flammability Limit - Lower (%)—:

Not applicable for mixtures

Vapor pressure:

Not applicable for mixtures

Relative vapor density:

Not applicable for mixtures

Density:

0,90 g/ml (25,00 °C)

Solubility(ies)

Solubility in Water:

Insoluble in water

Solubility (other):

No data available.

Partition coefficient (n-octanol/water):

Not applicable for mixtures

Autoignition Temperature:

not determined

Decomposition Temperature:

not determined

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NLGI:	1
Explosive properties:	Value not relevant for classification
Oxidizing properties:	Value not relevant for classification
Particle characteristics:	Study technically not feasible
9.2 Other information	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable under normal use conditions.
10.2 Chemical Stability:	Stable under normal use conditions.
10.3 Possibility of hazardous reactions:	Stable under normal use conditions.
10.4 Conditions to avoid:	Stable under normal use conditions.
10.5 Incompatible Materials:	Strong oxidizing substances. Strong acids. Strong bases.
10.6 Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11: Toxicological information

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

Acute toxicity

Oral

Product:	ATEmix: 52.880 mg/kg
Specified substance(s) dilithium sebacate	LD 50 (Rat): 2.000 mg/kg (OECD 420)
Amine aromatic , alkylated	LD 50 (Rat): > 5.000 mg/kg (OECD 401)
Zn compound	LC 50 (Rat): 4.920 mg/kg
Thickener compound for lithium greases	LD 50 (Rat): 500 mg/kg (OECD 423)

Dermal

Product:	Not classified for acute toxicity based on available data.
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Inhalation

Product:	Not classified for acute toxicity based on available data.
Specified substance(s) Zn compound	LC 0 (Rat, 4 h): > 11,6 mg/l

Product name: MALOSS I 7.1 MHR GREASE**Skin Corrosion/Irritation:**

Product:	Based on available data, the classification criteria are not met.
Specified substance(s) dilithium sebacate	OECD 431 Based on available data, the classification criteria are not met. OECD 439 Based on available data, the classification criteria are not met.
Thickener compound for lithium greases	OECD 431 Based on available data, the classification criteria are not met. OECD 439 Based on available data, the classification criteria are not met.

Serious Eye Damage/Eye Irritation:

Product:	Based on available data, the classification criteria are not met.
Specified substance(s) dilithium sebacate	OECD 405 (Rabbit): Based on available data, the classification criteria are not met.
Amine aromatic , alkylat- ed	OECD 405 (Rabbit): Not irritant.
Thickener compound for lithium greases	OECD 437 Not applicable OECD 405 Corrosive.

Respiratory or Skin Sensitization:

Product:	Skin sensitizer: Based on available data, the classification criteria are not met. Respiratory sensitizer: Based on available data, the classification criteria are not met.
Specified substance(s) dilithium sebacate	, OECD 429 (Mouse) Based on available data, the classification criteria are not met.
Amine aromatic , alkylat- ed	No sensitizing effect (guinea pig); OECD 406
Thickener compound for lithium greases	Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity

Product:	Based on available data, the classification criteria are not met.
In vitro	
Specified substance(s) dilithium sebacate	(OECD 471) Based on available data, the classification criteria are not met.
Thickener compound for lithium greases	(OECD 473) Based on available data, the classification criteria are not met.

Carcinogenicity

Product:	Based on available data, the classification criteria are not met.
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Product name: MALOSS I 7.1 MHR GREASE

Reproductive toxicity

Product: Based on available data, the classification criteria are not met.

Specified substance(s)

Amine aromatic , alkylated oral (Rat, OECD 421), Suspected of damaging fertility.

Specific Target Organ Toxicity - Single Exposure

Product: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure

Product: Based on available data, the classification criteria are not met.

Aspiration Hazard

Product: Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

Product: The substance/mixture 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% or higher.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Product: Based on available data, the classification criteria are not met.

Fish

Specified substance(s)

dilithium sebacate LC 50 (Fish, 96 h): 100 mg/l (OECD 203)

Amine aromatic , alkylated LC 50 (Fish, 96 h): > 100 mg/l (OECD 203)

Zn compound LC 50 (Fish, 96 h): > 100 mg/l

Thickener compound for lithium greases LC 50 (Fish, 96 h): 100 mg/l (OECD 203)

Aquatic Invertebrates

Specified substance(s)

dilithium sebacate EC 50 (Water Flea, 48 h): 100 mg/l (OECD 202)

Amine aromatic , alkylated EC 50 (Daphnia magna): 51 mg/l (OECD 202)

Zn compound EC 50 (Water Flea, 48 h): 35 mg/l

Thickener compound for lithium greases EC 50 (Water Flea, 48 h): 100 mg/l (OECD 202)

Product name: MALOSSİ 7.1 MHR GREASE

Chronic ToxicityProduct: Based on available data, the classification criteria are not met.

**Toxicity to Aquatic Plants
Specified substance(s)**

dilithium sebacate	EC 50 (Alga, 72 h): 100 mg/l (OECD 201)
Amine aromatic , alkylated	EC 50 (72 h): > 100 mg/l (OECD 201)
Zn compound	EC 50 (Alga, 72 h): 4 mg/l
Thickener compound for lithium greases	EC 50 (Alga, 72 h): 100 mg/l (OECD 201)

12.2 Persistence and Degradability

Biodegradation

Product:	Not applicable for mixtures
Specified substance(s)	(OECD 301D) Inherently biodegradable
dilithium sebacate	
Amine aromatic , alkylated	Not readily degradable.
Thickener compound for lithium greases	Study technically not feasible

12.3 Bioaccumulative potential

Product: Not applicable for mixtures

12.4 Mobility in soil:

Product: Not applicable for mixtures

12.5 Results of PBT and vPvB assessment:

The product does not contain any substances fulfilling the PBT/vPvB criteria.

12.6 Endocrine disrupting properties

Product: The substance/mixture 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% or higher.

12.7 Other adverse effects: No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Dispose in accordance with all applicable regulations.

Product name: MALOSS I 7.1 MHR GREASE

Disposal methods: Do not empty into drains; dispose of this material and its container in a safe way. When storing used products, ensure that the waste categories and mixing instructions are observed.

European Waste Codes

12 01 12*: spent waxes and fats

SECTION 14: Transport information

ADR/RID

14.1 UN number or ID number: —
 14.2 UN Proper Shipping Name: —
 14.3 Transport Hazard Class(es)
 Class: Non-dangerous goods
 Label(s): —
 Hazard No. (ADR): —
 Tunnel restriction code: —
 14.4 Packing Group: —
 14.5 Environmental hazards: —
 14.6 Special precautions for user: —

IMDG

14.1 UN number or ID number: —
 14.2 UN Proper Shipping Name: —
 14.3 Transport Hazard Class(es)
 Class: Non-dangerous goods
 Label(s): —
 EmS No.: —
 14.3 Packing Group: —
 14.5 Environmental hazards: —
 14.6 Special precautions for user: —

IATA

14.1 UN number or ID number: —
 14.2 Proper Shipping Name: —
 14.3 Transport Hazard Class(es)
 Class: Non-dangerous goods
 Label(s): —
 14.4 Packing Group: —
 14.5 Environmental hazards: —
 14.6 Special precautions for user: —

14.7 Maritime transport in bulk according to IMO instruments: Not applicable.

SECTION 15: Regulatory information

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

EU Regulations

EU. Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: none

Product name: MALOSS I 7.1 MHR GREASE

EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: none

National Regulations

Local regulations are to be kept

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

DIRECTIVE 2012/18/EU (SEVESO III) on the control of major-accident hazards involving dangerous substances

Not applicable

SECTION 16: Other information
Revision Information: Vertical lines in the margin indicate an amendment.

Wording of the H-statements in section 2 and 3

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361d	Suspected of damaging the unborn child.
H361f	Suspected of damaging fertility.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Other information: The classification complies with the current EU lists; however, it has been supplemented with expert literature information and information provided by/about our company. The following evaluation methods were used: - On the basis of test data - Calculation Method - Bridging Principle "Substantially similar mixtures" - Expert Judgement

Centri Antiveleno attivi 24 ore su 24 / 7 giorni su 7 - recapiti telefonici in caso di emergenza

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CAV dell' Az. Osp. Universitaria Integrata (AOUI) di Verona sede di Borgo Trento	Verona	Piazzale Aristide Stefani, 1	37126	800.011.858
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CAV, Centro nazionale d'informazione tossicologica, IRCCS Fondazione Salvatore Maugeri Clinica de	Pavia	Via Salvatore Maugeri, 10	27100	(+39) 0382.24.444
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Product name: MALOSSİ 7.1 MHR GREASE

Grande		3		
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Revision Date:

19.06.2023

Disclaimer:

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