



Safety data sheet

According to the regulation (EC) n. 453/2010 (Annex I)

Printing date 17.12.2013

Version number 1.5

Revision: 17.12.2013

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

1.1 Product identifier

Trade name: **MALOSI 7.1 SX 4T SAE 5W-40**

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

No uses advised against identified.

Application of the substance / the preparation: engine oil

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

FUCHS LUBRIFICANTI S.p.A.
via Riva 16
14021 Buttigliera d'Asti
Tel: +39 011/99 22 811 (switchboard)
Fax: +39 011/99 21 670

Informing department:

FUCHS LUBRIFICANTI S.p.A.
HEALTH&SAFETY Department
Tel. +39 011/99 22 817
Fax. +39 011/99 21 670
E-mail: schedesicurezza@fuchslubrificanti.it

1.4 Emergency telephone number: Tel: +39 011/99 22 817 (office hours); +39 011/99 22 811 (central)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

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 is not classified according to Directive 67/548/EEC or Directive 1999/45/EC

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

2.2 Label elements

Labelling according to EU guidelines:

Observe the normal safety regulations when handling chemicals or mineral oil products.

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The product is not subject to identification regulations under EC Directives until 2008/1272/EC (1. CLP-ATP). Local regulations must be kept.

Special labelling of certain preparations:

Safety data sheet available for professional user on request.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterization: Mixtures

Description: mixture of lubricant oil from hydrotreated petroleum, highly refined mineral base oils, additives.

Dangerous components / Hazard communications / Concentration range %

See Section 8 and 16	Highly refined mineral base oil	50-99%
CAS: 72623-87-1 EINECS: 276-738-4 Reg.nr.: 01-2119474889-13-XXXX	Parafinic oil ⚠ Asp. Tox. 1, H304	20-25%
CAS: 84605-29-8 EINECS: 283-392-8 Reg.nr.: 01-2119493626-26-XXXX	Zinco dialchiltiofosfati ⚠ Xi R38-41; ⚠ N R51/53 ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315	1-2.4%

SVHC Substance: none

Additional information For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

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

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

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After skin contact

Instantly wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After eye contact Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents Water with a full water jet.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment: In case of fire fighting: wear self containing breathing apparatus

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/ spilled product. Wear protective clothing.

6.2 Environmental precautions:

Do not allow to enter drainage system, surface or ground water.

Prevent from spreading (e.g. by binding or oil barriers).

Do not allow to enter the ground/ soil.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the material collected according to regulations.

6.4 Reference to other sections

No dangerous materials are released.

See Section 7 for information on safe handling

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See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Prevent formation of aerosols.

Information about protection against explosions and fires:

Do not heat up to temperatures close to the flash point.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

Use only containers specifically permitted for this substance/product.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions: None.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with TLVs / WELs that have to be monitored at the workplace.

Additional Occupational Exposure Limit Values for possible hazards during processing:

Contains mineral oil. Under condition which may generate mists/vapour/aerosol, observe the OSHA TLV of 5mg/m³ and ACGIH : TWA-5mg/m³; STEL-10mg/m³.

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

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.

Breathing equipment: Avoid breathing vapour/ aerosol.

Protection of hands:

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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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.

Eye protection: Safety glasses recommended during refilling.**Body protection:** Protective work clothing.**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

Form:	Liquid
Colour:	Dark yellow
Smell:	Recognizable

pH-value: Not determined.**Change in condition****Melting point/Melting range:** Not determined**Boiling point/Boiling range:** Not determined**Drip point:****Pour point:** -36 °C (ISO 3016)**Flash point:** Not determined**Inflammability (solid, gaseous)** Not applicable.**Ignition temperature:** Not available**Decomposition temperature:** Not determined.**Self-inflammability:** Not determined.**Danger of explosion:** Product is not explosive.**Critical values for explosion:****Lower:** Not determined.**Upper:** Not determined.**Vapour pressure:** Not determined.**Density at 20 °C** 0.86 g/cm³ (DIN 51 757)**Relative density** Not determined.**Vapour density** Not determined.**Evaporation rate** Not determined.

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Solubility in / Miscibility with**Water:**

Not miscible or difficult to mix

Partition coefficient (n-octanol/water): Not determined.**Viscosity or Consistency-Class:****dynamic:**

Not determined.

kinematic at 100 °C:14 mm²/s (DIN 51 562)**9.2 Other information**

For further information look at the Technical Data Sheet

SECTION 10: Stability and reactivity**10.1 Reactivity** Strong oxidant agents**10.3 Possibility of hazardous reactions** No dangerous reactions known**10.4 Conditions to avoid** High temperatures**10.5 Incompatible materials:** Strong oxidant agents**10.6 Hazardous decomposition products:**

No dangerous decomposition products known. No decomposition if used and stored according to specifications.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity:****LD/LC50 values that are relevant for classification:****72623-87-1 Paraffinic oil**

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	5.53 mg/l (rat)

Highly refined mineral base oil

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50/4 h	>5.53 mg/l (rat)

Primary irritant effect:**on the skin:** No irritant effect known.**on the eye:** No irritant effect known.**Sensitization:** No sensitizing effect known.

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Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects according to our actual informations.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

72623-87-1 Paraffinic oil

IC50/72 h 100 mg/l (algae)

LC50/96 h >100 mg/l (pes)

Highly refined mineral base oil

EC50/48 h >10000 mg/l (daf)

IC50/72 h >1000 mg/l (algae)

LC50/96 h >1000 mg/l (fish)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No data available

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Delivery of waste oil only to officially authorized collectors.

European waste catalogue

13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
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Uncleaned packagings:

Recommendation:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Small one-way packagings have to be

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disposed according to the local regulations.
EWC 15 01 99.**SECTION 14: Transport information****14.1 UN-Number****ADR, ADN, IMDG, IATA** Void**14.2 UN proper shipping name****ADR, ADN, IMDG, IATA** Void**14.3 Transport hazard class(es)****ADR, ADN, IMDG, IATA**
Class Void**14.4 Packing group****ADR, IMDG, IATA** Void**14.5 Environmental hazards:****Marine pollutant:** No**14.6 Special precautions for user**

Not applicable.

**14.7 Transport in bulk according to Annex II of
MARPOL73/78 and the IBC Code**

Not applicable.

Transport/Additional information:No dangerous good acc. to dangerous goods/ transport
directions.**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Designation according to EU guidelines:**

- Directive n.67/548/CEE
- Directive n.98/8/CEE
- Directive n.99/45/CE
- Regulation n.648/2004/CE
- Regulation n.1907/2006/CE (Reach)
- Regulation n.1272/2008/CE (CLP)
- Regulation n.453/2010/CE

Chemical safety assessment No

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National regulations

Substances of very high concern (SVHC) according to REACH, Article 31 out of the recent list: none

SECTION 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 1907/2006/EC, article 31. For products which are not subject to classification according to EU lists this data sheet is made on a voluntary base.

- Base oils : DMSO < 3 % (IP 346) (note L)

Relevant phrases

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Department issuing data specification sheet:

FUCHS LUBRIFICANTI S.p.A.

HEALTH&SAFETY Department

Contact:

HEALTH&SAFETY Department

Phone: +39 011/99 22 817

E-mail: schedesicurezza@fuchslubrificanti.it

Validity:

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

Changed items are marked with "*".

Abbreviations and acronyms:

PBT : Persisten, bioaccumulative an toxic

vPvB : Very persisten very bioaccumulative

SVHC : Substance of Very High Concern

LL50: Lethal Load, 50 percent

EL50: Effect Load, 50 percent

IC50 : Inhibition Concentration, 50 percent

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

**** Data compared to the previous version altered.***

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