

MSDS simalube SL10

Axel Alutac 662 FM

Dear simalube Customer,

EN

We hereby confirm that the automatic lubricators simalube and simalube multipoint with the designation SL10 are filled with Axel Alutac 662 FM lubricant. The Material Safety Data Sheet (MSDS) for this lubricant is provided on the following pages. Please visit www.simatec.com for further technical data regarding this lubricant and simatec automatic lubricators.

Werter simalube Kunde

DE

Wir bestätigen hiermit, dass die automatischen Schmierstoffspender simalube und simalube multipoint, mit der Bezeichnung SL10, mit dem Schmierstoff Axel Alutac 662 FM befüllt sind. Das Sicherheitsdatenblatt zu diesem Schmierstoff finden Sie auf den folgenden Seiten. Technische Daten zum Schmierstoff und den automatischen Schmierstoffspendern simalube finden Sie unter: www.simatec.com

Cher client simalube

FR

Nous certifions que les graisseurs automatiques simalube et simalube multipoint appelés SL10 sont remplis avec le lubrifiant Axel Alutac 662 FM. La fiche de données de sécurité de ce lubrifiant peut être trouvé dans les pages suivantes. Concernant les données techniques du lubrifiant tout comme les graisseurs automatiques simalube, vous allez trouver ces détails sous le lien suivant : www.simatec.com

Estimado cliente de simalube

ES

Por la presente certificamos que los lubricadores automáticos simalube y simalube multipoint con la designación SL10, están rellenos con el lubricante Axel Alutac 662 FM. La ficha de datos de seguridad de este lubricante Usted pueden encontrar en las siguientes páginas. Para especificaciones técnicas del lubricante y de los lubricadores automáticos simalube ver: www.simatec.com

Caro cliente simalube

IT

Con la presente confermiamo che i lubrificatori automatici simalube e simalube multipoint con la designazione SL10 sono riempiti con lubrificante Axel Alutac 662 FM. La scheda dati di sicurezza per questo lubrificante é riportato sulle seguenti pagine. I dati tecnici del lubrificante e dei lubrificatori automatici sono disponibili sul sito: www.simatec.com

01.10.2016 / simatec ag, Wangen a. Aare, Switzerland

Alutac 662 FM

Revision date 16-Jan-2015

Supersedes date 24-Jun-2013

Version 1.01

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name Alutac 662 FM

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

Recommended use Lubricating grease

1.3. Details of the supplier of the safety data sheet

Manufacturer

Axel France SAS
30 Rue de Pied de Fond
Z.I. St Liguairé
CS 98821
79028 Niort Cedex
France
Telephone: +33 549 77 13 71

For further information, please contact

info@axelch.com

1.4. Emergency telephone number

Emergency telephone +46 (0) 303 332500

Emergency telephone - §45 - (EC)1272/2008

Europe	112
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Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

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

R phrases This mixture is classified as not hazardous according to regulation 1999/45/EC

2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Symbols/Pictograms None

Signal word None

2.3. Other hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Ingredient comments

This product is a aluminiumthickened lubricating grease based on polyalphaolefins with additives.

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapors.
Skin contact	Wash with soap and water.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids.
Ingestion	Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

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

Symptoms None known.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Use CO2, dry chemical, or foam.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Not flammable. Fire may produce irritating and/or toxic gases.

5.3. Advice for firefighters

In the event of fire and/or explosion do not breathe fumes.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures**Personal precautions**

Extremely slippery when spilled.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up**Methods for cleaning up**

Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

6.4. Reference to other sections**Other information**

See Section 12: ECOLOGICAL INFORMATION.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling**Advice on safe handling**

Extremely slippery when spilled.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Avoid prolonged or repeated contact with skin.

7.2. Conditions for safe storage, including any incompatibilities**Storage conditions**

Keep containers tightly closed in a cool, well-ventilated place. Keep at a temperature not exceeding 45°C. Keep away from heat, sparks and open flame.

7.3. Specific end use(s)**Risk management methods**

The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls None under normal processing.

Personal protective equipment

**Hand protection**

Wear protective nitrile rubber gloves. Thickness ≥ 0.38 mm - breakthrough time >480 minutes. Thickness 0.1 mm - splash protection. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

Eye/face Protection

Avoid contact with eyes.

Body protection

Suitable protective clothing.

Respiratory protection

None under normal processing. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

Prevent product from entering drains.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Semi-solid
Appearance	Smooth
Color	white
Odor threshold	No information available
Explosive properties	No information available
Oxidizing properties	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		No information available
Melting point/freezing point		No information available
Boiling point/boiling range		Not applicable
Flash point	> 150 °C / > 302 °F	Based on base oils
Evaporation rate		Not applicable
Flammability (solid, gas)		No information available
Flammability limits in air		No information available
Vapor pressure		Not applicable
Vapor Density		Not applicable
Specific gravity		No information available
Solubility(ies)		No information available
Partition coefficient (n-octanol/water)		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available

9.2. Other information

Density	< 1000 kg/m ³ @ 25 °C / 77 °F
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Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

None under normal processing.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity	Not hazardous based on component data.
Skin corrosion/irritation	Not hazardous based on component data.
Serious eye damage/eye irritation	Not hazardous based on component data.
Sensitization	Not hazardous based on component data.
Germ cell mutagenicity	Not hazardous based on component data.
Carcinogenicity	Not hazardous based on component data.
Reproductive toxicity	Not hazardous based on component data.
STOT-single exposure	Not hazardous based on component data.
STOT-repeated exposure	Not hazardous based on component data.
Aspiration hazard	Not hazardous based on component data.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50	31,250.00 mg/kg
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Product Information

Product does not present an acute toxicity hazard based on known or supplied information

Inhalation	Inhalation of oil mist may cause irritation, headaches, nausea and breathing difficulties.
Eye contact	Not expected to cause eye irritation
Skin contact	Prolonged contact may cause redness and irritation
Ingestion	Malaise (vague feeling of discomfort)

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Not regarded as dangerous for the environment. Occasional major emissions or frequently recurring minor emissions may have a harmful or disturbing effect.

12.2. Persistence and degradability

Not readily biodegradable.

12.3. Bioaccumulative potential

Material does not bioaccumulate.

12.4. Mobility in soil

Mobility in soil

After release, adsorbs onto soil.

Mobility

Insoluble in water.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products

Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated packaging

Dispose of in accordance with federal, state and local regulations.

Waste codes / waste designations according to EWC / AVV 13 08 99

Section 14: TRANSPORT INFORMATION

Not regulated according to ADR/RID, IMDG, IATA.

14.1. UN number

Not regulated

14.2. UN proper shipping name

Not regulated

14.3. Transport hazard class(es)

Not regulated

14.4. Packing group

Not regulated

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

None

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available

Section 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water hazard class (WGK)** Slightly hazardous to water (WGK 1)**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	-
ENCS	Complies
IECSC	Complies
AICS	Complies
KECL	-
NZIoC	-

Legend**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**EINECS/ELINCS** European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**AICS** - Australian Inventory of Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**NZIoC** - New Zealand Inventory of Chemicals**15.2. Chemical safety assessment**

No information available

Section 16: OTHER INFORMATION**Full text of R-phrases referred to under sections 2 and 3****Full text of H-Statements referred to under sections 2 and 3****Revision date**

16-Jan-2015

Revision note SDS sections updated, 1, 15.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

End of Safety Data Sheet