

## MSDS simalube SL10

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](http://www.simatec.com) for further technical data regarding this lubricant and simatec automatic lubricators.

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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](http://www.simatec.com)

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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](http://www.simatec.com)

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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](http://www.simatec.com)

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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](http://www.simatec.com)

29.08.2017 / simatec ag, Wangen a. Aare, Switzerland

## Alutac 662 FM

Revision date 29-Aug-2017

Supersedes date 16-Jan-2015

Version 1.02

### 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 only for industrial use

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Axel France SAS  
30 Rue de Pied de Fond  
Z.I. St Liguair  
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 during working hours

Emergency telephone - §45 - (EC)1272/2008	
Europe	112
France	ORFILA : + 33 (0) 1 45 42 59 59

### 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]

#### 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

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### 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 H- and EUH-phrases: see section 16**

### Section 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors.
<b>Skin contact</b>	Wash with soap and water.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids.
<b>Ingestion</b>	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 **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. Use personal protection recommended in Section 8.

**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  $\geq 0.38$  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. Conform EN 374-2 and EN 347-3.

**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

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

<b>Density</b>	$< 1000$ kg/m <sup>3</sup> @ 25 °C / 77 °F
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## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

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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**

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

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

<b>Oral LD50</b>	5019 mg/kg
<b>Dermal LD50</b>	2555 mg/kg
<b>Mist</b>	9,3 mg/l

**Product Information**

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

<b>Inhalation</b>	Inhalation of oil mist may cause irritation, headaches, nausea and breathing difficulties.
<b>Eye contact</b>	Not expected to cause eye irritation.
<b>Skin contact</b>	Prolonged contact may cause redness and irritation.

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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 LoW / 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

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

#### 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 H-Statements referred to under section 3**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

ADR    Accord européen relatif au transport international de marchandises Dangereuses par Route



CAS Chemical Abstracts Service  
CLP Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]  
EC European Commission  
EEC European Economic Community  
EUH EUH statement = CLP-specific Hazard statement  
GHS Globally Harmonised System of Classification and Labelling of Chemicals  
IATA International Air Transport Association  
IMDG International Maritime Dangerous Goods Code  
LD50 Median Lethal Dose for 50% of subjects  
REACH Registration, Evaluation and Authorization of CHemicals  
RID Règlement concernant le transport international ferroviaire des marchandises dangereuses  
WGK Wassergefährdungsklasse

**Revision date** 29-Aug-2017

**Revision note** SDS sections updated, 1, 2, 3, 8, 11, 15, 16.

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

**End of Safety Data Sheet**