Dear simalube Customer,

We hereby confirm that the automatic lubricators simalube and simalube multipoint with the designation SL26 are filled with Axel Calsullence 1615 WR 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


Cher client simalube

Nous certifions que les graisseurs automatiques simalube et simalube multipoint appelés SL26 sont remplis avec le lubrifiant Axel Calsullence 1615 WR. 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

Por la presente certificamos que los lubricadores automáticos simalube y simalube multipoint con la designación SL26, están rellenados con el lubricante Axel Calsullence 1615 WR. 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

Con la presente confermiamo che i lubrificatori automatici simalube e simalube multipoint con la designazione SL26 sono riempiti con lubrificante Axel Calsullence 1615 WR. La scheda dati di sicurezza per questo lubrificante è riportato sulle seguenti pagine. I dati tecnici del lubrificante e dei lubrificatori automatici sono disponibili sul sito: www.simatec.com
Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: Calsullence 1615 WR

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 Christiernsson BV
1 Februariweg 13
NL-4794 SM Heijningen
The Netherlands
Telephone: +31-167-522980

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

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

EU Specific Hazard Statements
EUH210 - Safety data sheet available on request

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]

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>EC No</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>Classification according to 67/548/EEC or 1999/45/EEC</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
<th>REACH registration number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc naphthenate</td>
<td>234-409-2</td>
<td>12001-85-3</td>
<td>&lt;2.5</td>
<td>N; R51/53</td>
<td>Aquatic Chronic 2 (H411)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Ingredient comments
This product is a calcium sulfonate complex grease based on mineral oils. The mineral oils in the product contain <3%DMSO-extract (IP 346).

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: FIREFIGHTING 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
See Section 12 for additional Ecological Information.

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 150 °C / &gt; 302 °F</td>
<td>Based on base oils</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability limits in air</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Physical state</td>
<td>Semi-solid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Smooth</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Dark amber</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>
9.2. Other information

Density  
\[ < 1000 \text{ kg/m}^3 \text{ @ } 25 \, ^\circ \text{C} / 77 \, ^\circ \text{F} \]

---

### 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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>LC50 (lethal concentration)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc naphthenate</td>
<td>= 4920 mg/kg (Rat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste from residues/unused products</td>
<td>Disposal should be in accordance with applicable regional, national and local laws and regulations</td>
</tr>
<tr>
<td>Contaminated packaging</td>
<td>Dispose of in accordance with federal, state and local regulations.</td>
</tr>
<tr>
<td>Waste codes / waste designations</td>
<td>13 08 99</td>
</tr>
<tr>
<td>according to EWC / AVV</td>
<td></td>
</tr>
</tbody>
</table>

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 MARPOL73/78 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

<table>
<thead>
<tr>
<th>Water hazard class (WGK)</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slightly hazardous to water (WGK 1)</td>
<td></td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Complies</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td></td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td></td>
</tr>
<tr>
<td>DSL/NDSL</td>
<td></td>
</tr>
<tr>
<td>PICCS</td>
<td></td>
</tr>
<tr>
<td>ENCS</td>
<td></td>
</tr>
<tr>
<td>IECSC</td>
<td></td>
</tr>
<tr>
<td>AICS</td>
<td></td>
</tr>
<tr>
<td>KECL</td>
<td></td>
</tr>
</tbody>
</table>

**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

**15.2. Chemical safety assessment**

No information available

**Section 16: OTHER INFORMATION**

**Full text of R-phrases referred to under sections 2 and 3**

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

**Full text of H-Statements referred to under sections 2 and 3**

H411 - Toxic to aquatic life with long lasting effects

**Revision date**

18-Mar-2014

**Revision note**

SDS sections updated, 3, 16.

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

End of Safety Data Sheet