

# SAFETY DATA SHEET

(according to Regulation (EC) No. 1907/2006)

Version: 1 Revision Date: 29.04.2020

## ALU SLIP ANTI-SEIZE ALUMINIUM 400ML

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product Name: *ALU SLIP Anti-Seize Aluminium 400ml*  
Product Code: *SEIA01*  
REACH Registration Number: *All components / constituent materials used in this product have been registered under REACH where required.*  
EC No: -  
CAS No: -

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

*This product is intended for use as a Universal Lubricant.*

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

Company: **CHAUCER SOLUTIONS LIMITED**  
Address: *Beodric House  
5 Boldero Road  
Bury St. Edmunds  
Suffolk  
IP32 7BS  
United Kingdom*  
Telephone: *+ 44 (0) 1767 677445*  
E-mail: *admin@chaucersolutions.co.uk*

#### 1.4 Emergency telephone number

*+ 44 (0) 1767 677445 (Only available during office hours)*

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

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

*Flammable Aerosols, Category 1*

*Skin Irritation Category 2*

*Aquatic Chronic Category 3*

*H222: Extremely flammable material*

*H229: Pressurized container: may burst if heated*

*H315: Causes skin irritation*

*H412: Harmful to aquatic life with long lasting effects*

#### 2.2 Label elements

*Contains Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane*

## REGULATION (EC) No. 1272/2008

Pictogram(s):



Signal Word: **DANGER**

Hazard Statements: *H222: Extremely flammable material*  
*H229: Pressurized container: may burst if heated*  
*H315: Causes skin irritation*  
*H412: Harmful to aquatic life with long lasting effects*

Precautionary Statements:

Prevention: *P210: Keep away from heat / sparks / open flames / hot surfaces. - No Smoking*  
*P211: Do not spray on an open flame or other ignition source*  
*P251: Pressurized container – Do not pierce or burn, even after use*  
*P273: Avoid release to the environment*  
*P264: Wash hands thoroughly after handling*  
*P280: Wear protective gloves/protective clothing/ eye protection/ face protection*

Response:

*P302+P352: IF ON SKIN: Wash with plenty of soap and water*  
*P332+P313: If skin irritation occurs: get medical advice / attention*  
*P362: Take off contaminated clothing and wash before reuse*

Storage:

*P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F*

Disposal:

*P501: Dispose of contents / container to a waste management service provider, according to the local law and regulations*

### 2.3 Other Hazards

*Containers should be thoroughly emptied before disposal because of the risk of an explosion. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. In use may form flammable/explosive vapour-air mixture. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. This product does not contain any substances classified as PBT or vPvB. Vapours in high concentrations are narcotic.*

## 3. COMPOSITION OF/INFORMATION ABOUT THE COMPONENTS

### 3.1 Substances

CAS number: *Mixture*

| Chemical Name  | CAS-No.<br>EINECS-No.   | Classification<br>REGULATION (EC)<br>No 1272/2008   | Concentration [%] |
|--|-------------------------|---|-------------------|
| <i>Petroleum Gases,<br/>Liquefied; Petroleum Gas<br/>&lt;0.1% 1,3 Butadiene</i>                  | 68476-85-7<br>270-704-2 | <i>Flam. Gas Cat. 1: H220;<br/>Press. Gas (Liq.): H280</i>  | ≥60 %             |
| <i>Hydrocarbons, C6-C7, n-<br/>alkanes, isoalkanes, cyclics,<br/>&lt;5% n-hexane</i>             | -<br>921-024-6          | <i>Flam. Liq. Cat. 2: H225; Skin Irrit.<br/>Cat.2: H315; STOT SE Cat. 3: H336;<br/>Asp.Tox. Cat 1: H304; Aqu. Chron.<br/>Cat. 2: H411</i>   | 10 - 30 %         |
| <i>Propan-2-ol</i>   | 67-63-0<br>200-661-7    | <i>Flam. Liq. Cat. 2: H225; Eye Irrit. Cat.<br/>2: H319; STOT SE Cat. 3: H336</i>   | 1 - 5 %           |
| <i>Hydrocarbons, C9-C11, n-<br/>alkanes, isoalkanes, cyclics,<br/>&lt; 2 % 1 - 5 % aromatics</i> | -<br>919-857-5          | <i>Flam. Liq. Cat. 3: H226; STOT SE Cat.<br/>3: H336; Asp. Tox. Cat. 1: H304</i>  | 1 - 5 %           |
| <i>n-hexane</i>  | 110-54-3<br>203-777-6   | <i>Flam. Liq. Cat. 2: H225; Skin Irrit.<br/>Cat.2: H315; Repr. Tox. Cat. 2: H361f;<br/>STOT SE Cat. 3: H336; STOT RE Cat.<br/>2: H373; Asp. Tox. Cat. 1: H304;<br/>Aqu. Chron. Cat. 2: H411</i> | <1 %              |

For the full text of the H - statements mentioned in this section, see section 16.

#### **4. FIRST AID MEASURES**

##### **4.1 Description of first aid measures**

General advice: *Take the Hazard and Precautionary Statements (section 2) into account. Show this Safety Data Sheet to the physician in attendance if required.*

Inhalation: *Remove from exposure site to fresh air and keep at rest. Contact physician if symptoms persist.*

Skin contact: *Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.*

Eye contact: *Flush immediately with water for at least 15 minutes. Remove contact lenses if possible. Contact physician if symptoms persist.*

Ingestion: *Rinse mouth with water and Contact physician if symptoms persist. Do NOT induce vomiting.*

##### **4.2 Most important symptoms and effects, both acute and delayed**

*No additional information*

##### **4.3 Indication of any immediate medical attention and special treatment needed**

*Provide physician with a copy of this Safety Data Sheet.*

#### **5. FIRE-FIGHTING MEASURES**

##### **5.1 Extinguishing media**

Suitable extinguishing media:

*Water spray, carbon dioxide, dry chemical, foam.*

Extinguishing media which shall not be used for safety reasons:

*Do not use a high powered water jet directly on burning material.*

##### **5.2 Special Hazards arising from the substance or mixture**

*Combustible liquid; toxic gases may be released.*

*Extremely Flammable Aerosol.*

### **5.3 Advice for Fire Fighters**

Special protective equipment for fire fighting:

*Full protective suit.  
Self-contained breathing apparatus (EN 133)*

Specific fire fighting methods:

*Do not use a high powered water jet directly on burning material.  
Do not inhale fumes.  
Evacuate personnel to a safe area.  
Cool containers / tanks with water spray.*

## **6. ACCIDENTAL RELEASE MEASURES**

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

*Remove all sources of ignition and keep away from flames and hot surfaces. Avoid inhalation and contact with skin and eyes. Wear appropriate personal protective equipment. A self contained breathing apparatus is recommended in case of a major spill. Collect Spillage.*

### **6.2 Environmental precautions**

*Keep away from drains, surface and ground water and soil.*

### **6.3 Methods for cleaning or taking up**

*Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.*

## **7. HANDLING AND STORAGE**

### **7.1 Handling**

Advice on safe handling:

*Avoid contact with the eyes, skin and clothing. Avoid excessive inhalation of concentrated vapours. Follow good manufacturing practices for housekeeping and personal hygiene. Wash any exposed skin immediately after any chemical contact, before breaks and meals, and at the end of each working period. Contaminated clothing and shoes should be thoroughly cleaned before re-use.*

*If appropriate, procedures used during the handling of this material should also be used when cleaning equipment or removing residual chemicals from tanks or other containers, especially when steam or hot water is used, as this may increase vapour concentrations in the work place air. Where chemicals are openly handled, access should be restricted to properly trained employees.*

*Keep all heated processes at the lowest necessary temperature in order to minimize emissions of volatile chemicals into the air.*

Advice on protection against fire and explosion:

*Keep away from ignition sources and naked flame.*

### **7.2 Storage**

Requirements for storage areas and containers:

*Store in a cool, dry, ventilated area away from heat sources. Keep containers upright and tightly closed when not in use.*

*Do not pierce or burn, even after use. Store at temperatures not exceeding 50°C. Protect from sunlight.*



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control measures

#### Occupational exposure limits

PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS <0.1% 1,3 BUTADIENE  
Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m<sup>3</sup>  
Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m<sup>3</sup>  
WEL = Workplace Exposure Limit

#### DNEL

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Consumer - Oral; Long term systemic effects: 699 mg/kg/day  
Workers - Oral; Long term systemic effects: 2035 mg/kg/day  
Consumer - Dermal; Long term systemic effects: 699 mg/kg/day  
Workers - Dermal; Long term systemic effects: 773 mg/kg/day  
Consumer - Inhalation; Long term systemic effects: 608 mg/m<sup>3</sup>

#### DNEL

Propan-2-ol (CAS: 67-63-0)

Consumer - Oral; Long term systemic effects: 26 mg/kg/day  
Workers - Oral; Long term systemic effects: 500 mg/kg/day  
Consumer - Dermal; Long term systemic effects: 319 mg/kg/day  
Workers - Dermal; Long term systemic effects: 888 mg/kg/day  
Consumer - Inhalation; Long term systemic effects: 89 mg/m<sup>3</sup>

#### DNEL

Stearic Acid (CAS: 57-11-4)

Consumer - Oral; Long term systemic effects: 2.5 mg/kg/day  
Workers - Oral; Long term systemic effects: 17.632 mg/kg/day  
Consumer - Dermal; Long term systemic effects: 5 mg/kg/day  
Workers - Dermal; Long term systemic effects: 10 mg/kg/day  
Consumer - Inhalation; Long term systemic effects: 4.348 mg/m<sup>3</sup>

#### Engineering measures

Advice: Where appropriate, use closed systems to transfer and process this material. If appropriate, isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant.

### 8.2 Personal protective equipment



#### Respiratory protection:

Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation including places where this material is openly weighed or measured.

In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. No respiratory protection is required during normal operations in a workplace where engineering controls such as adequate ventilation, etc. are sufficient.

*If engineering controls and safe work practices are not sufficient, an approved, properly fitted respirator with organic vapor cartridges or canisters and particulate filters should be used:*

- a) while engineering controls and appropriate safe work practices and/or procedures are being implemented; or*
- b) during short term maintenance procedures when engineering controls are not in normal operation or are not sufficient; or*
- c) if normal operational workplace vapour concentration in the air is increased due to heat;*
- d) during emergencies; or*
- e) if engineering controls and operational practices are not sufficient to reduce airborne concentrations below an established occupational exposure limit.*

**Hand protection:** *Avoid skin contact. Use chemically resistant gloves. (PE/PA/PE), 2.5mil (0.06mm), >480 min. To protect hands from chemicals, gloves should comply with European Standard EN374.*

**Skin and body protection:** *Avoid contact with the skin. Wear a protective suit. Wash all contaminated clothing thoroughly before re-use.*

**Eye protection:** *Avoid contact with the eyes. Use tight-fitting goggles, face shield or safety glasses with side shields. Personal protective equipment for eye and face protection should comply with European Standard EN166. Provide eyewash station*

**Hygiene Measures:** *Ensure that eyewash stations and safety showers are close to the workstation location. Use clean, well-maintained personal protection equipment. Wash hands before breaks and at the end of the work day. Do not eat, drink or smoke whilst using or handling the product.*

*To the extent deemed appropriate, implement pre-placement and regularly scheduled ascertainment of symptoms and spirometry testing of lung function for workers who are regularly exposed to this material.*

*To the extent deemed appropriate, use an experienced air sampling expert to identify and measure volatile chemicals that could be present in the workplace air or determine potential exposures and to ensure the continuing effectiveness of engineering controls and operational practices to minimize exposure.*

**Protective measures:** *The protective equipment must be selected in accordance with current CEN standards and in cooperation with the supplier of the protective equipment. Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards and / or risks that may occur during use.*

**General Advice:** *Do not allow uncontrolled discharge of the product into the environment.*

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Appearance**

Physical state: *Aerosol*  
Colour: *Colourless*  
Odour: *Hydrocarbons*

### **9.2 Safety data**

Flash Point: *-104°C (LPG)*  
Boiling Point: *-40°C to -2°C (LPG)*  
pH: *-*  
Vapour Pressure: *590 to 1760 KPa (LPG)*  
Solubility: *-*

Auto-ignition Temperature:

*365°C / 689°F (LPG)*

Explosive Properties:

*In use may form flammable / explosive vapour-air mixture.*

## **10. STABILITY AND REACTIVITY**

### **10.1 Reactivity**

*This product is not considered reactive under normal working conditions.*

### **10.2 Chemical Stability**

*This product is stable at room temperature.*

### **10.3 Possibility of hazardous reactions**

*This product may react with strong oxidizing agents, acids and / or alkalis.  
use may form flammable / explosive vapour-air mixture.*

### **10.4 Conditions to avoid**

*Keep away from heat, sparks and open flame.  
Avoid the accumulation of vapours in low or confined areas.*

### **10.5 Incompatible materials**

*Strong oxidizing agents acids and alkalis.*

### **10.6 Hazardous decomposition products**

*Toxic Gas (Carbon Monoxide and Carbon Dioxide) and unidentified organic compounds may be formed during combustion).*

## **11. TOXICOLOGICAL INFORMATION**

### **11.1 Acute Toxicity**

Acute oral toxicity:

*No data available.*

Acute inhalation toxicity:

*No data available.*

Acute dermal toxicity:

*No data available.*

Acute dermal toxicity (other routes of administration):

*No data available.*

Aspiration toxicity:

*No data available.*

### **11.2 Skin corrosion/irritation**

Skin irritation: *Can cause skin irritation.*

*Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin.*

### **11.3 Serious eye damage/eye irritation**

Eye irritation: *May cause Eye irritation.*

### **11.4 Respiratory or skin sensitization**

Sensitisation: *Prolonged contact may cause redness, irritation and dry skin.*

## 11.5 Aspiration hazard:

*High exposures may cause an abnormal heart rhythm and prove suddenly fatal. Very high atmospheric concentrations may cause anaesthetic effects and asphyxiation. There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.*

## 11.6 Repeated dose toxicity

Repeated dose toxicity:

*No data available.*

## 11.7 STOT

STOT – single exposure:

*A single exposure may cause the following adverse effects: Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death. May cause respiratory irritation.*

STOT – repeated exposure:

*No data available.*

## 11.8 Carcinogenicity

Carcinogenicity: *No data available.*

## 11.9 Mutagenicity

Genotoxicity in vitro:

*No data available.*

Genotoxicity in vivo:

*No data available.*

## 11.10 Reproductive toxicity

Reproductive toxicity:

*No data available.*

Developmental toxicity/Teratogenicity:

*No data available.*

## 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity effects

Aquatic Compartment (including sediment)

*Acute Fish Toxicity: No data available.*

*Acute Toxicity Aquatic Plants: No data available.*

*Acute Toxicity Microorganisms: No data available.*

### 12.2 Persistence and degradability

Biodegradability: *Readily biodegradable*

### 12.3 Bioaccumulation

Partition coefficient (n-octanol/water):

*No data available.*

### 12.4 Mobility

Known distribution to environmental compartments:

*No data available.*

### 12.5 Other adverse effects

Environmental assessment:

*Based on available data the product is not classified as dangerous for the environment, or toxic to aquatic organisms.*



### **13. DISPOSAL CONSIDERATIONS**

#### **13.1 Waste treatment methods**

Product: *Dispose of according to local regulations. Do NOT dispose of into drainage systems and into the environment or incinerate.*

Contaminated packaging:  
*Empty containers should be taken to an approved waste handling site for recycling or disposal.*

### **14. TRANSPORT INFORMATION**

#### **14.1 ADR**

UN-Number: *1950*  
Dangerous Goods Description: *AEROSOLS, FLAMMABLE*  
Class: *2.1*  
Packing group: *II*

Classification Code: *F5*  
Tunnel restriction code: *(D)*  
Environmentally hazardous mark: *No*  
Hazard identification no: *-*

#### **14.2 RID**

UN-Number: *1950*  
Dangerous Goods Description: *AEROSOLS, FLAMMABLE*  
Class: *2.1*  
Packing group: *II*  
Classification Code: *F5*  
Environmentally hazardous mark: *No*  
Hazard identification no: *-*

#### **14.3 IATA**

UN-Number: *1950*  
Dangerous Goods Description: *AEROSOLS, FLAMMABLE*  
Class: *2.1*  
Packing group: *II*

#### **14.4 IMDG**

UN-Number: *1950*  
Dangerous Goods Description: *AEROSOLS, FLAMMABLE*  
Class: *2.1*  
Packing group: *II*  
Marine pollutant (environmentally hazardous mark): *No*  
EmS Code: *F-D, S-U*

#### **14.5 ADN / ADNR**

UN-Number: *1950*  
Dangerous Goods Description: *AEROSOLS, FLAMMABLE*  
Class: *2.1*  
Packing group: *II*  
Environmentally hazardous mark: *No*

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to regularly check their validity.

## **15. REGULATORY INFORMATION**

- National regulations: *The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).  
Control of Substances Hazardous to Health Regulations 2002 (as amended).  
Health and Safety at Work etc. Act 1974 (as amended).*
- EU legislation: *Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).*
- Guidance: *Workplace Exposure Limits EH40.*
- Authorisations (Title VII Regulation 1907/2006):  
*No specific authorisations are known for this product.*
- Restrictions (Title VIII Regulation 1907/2006):  
*No specific restrictions on use are known for this product.*

## **16. OTHER INFORMATION**

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

*H222: Extremely flammable material*

*H220: Extremely flammable gas*

*H225: Highly flammable liquid and vapour*

*H229: Pressurized container: may burst if heated*

*H280: Contains gas under pressure; may explode if heated*

*H304: May be fatal if swallowed and enters airways*

*H315: Causes skin irritation*

*H319: Causes serious eye irritation*

*H336: May cause drowsiness or dizziness*

*H361f: Suspected of damaging fertility*

*H373: May cause damage to organs through prolonged or repeated exposure*

*H411: Toxic to aquatic life with long lasting effects*

*H412: Harmful to aquatic life with long lasting effects*

Full text of P – Statements referred to under sections 2 and 3

*P210: Keep away from heat / sparks / open flames / hot surfaces. - No Smoking*

*P211: Do not spray on an open flame or other ignition source*

*P251: Pressurized container – Do not pierce or burn, even after use*

*P273: Avoid release to the environment*

*P264: Wash hands thoroughly after handling*

*P280: Wear protective gloves/protective clothing/ eye protection/ face protection*

*P302+P352:*

*IF ON SKIN: Wash with plenty of soap and water*

*P332+P313:*

*If skin irritation occurs: get medical advice / attention*

*P362: Take off contaminated clothing and wash before reuse*

*P410+P412:*

*Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F*

*P501: Dispose of contents / container to a waste management service provider, according to the local law and regulations*

Further information:

According to Regulation (EC) No. 1907/2006 the information in this safety data sheet is based on the properties of the material known to Chaucer Solutions Ltd at the time the data sheet was issued. The Safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. The information hereon is reliable to the best of our knowledge. However, the recommendations or suggestions hereon shall not be construed as a warranty or representation as to the results, safety and efficacy. Users should always make their own evaluations and tests suitable for their particular needs. We cannot be held liable for any loss or damage arising from the use of the information hereon. This document is not intended for quality assurance purposes.

- End of Safety Data Sheet -

