

Prepared in the format conforming to the Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (OJ of EU no L132 of 29 May 2015)

## SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

### 1.1 Product identifier

*Gibson Fitting Lube*

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

Identified uses: Release agent in the processing of thermoplastics and thermosetting plastics, to lubricate glass polished sections, rubber seals.

Uses advised against: Not identified.

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

#### **Supplier:**

**Zakład Chemiczny „Silikony Polskie” Sp. z o.o.**

1, Chemików Str.

37-310 Nowa Sarzyna

Phone: +48 17 78 51 200

Fax: +48 17 78 51 230

E- mail address: [silikony@silikony.pl](mailto:silikony@silikony.pl)

### 1.4 Emergency telephone number

Emergency telephone number in Poland (operating Mo.-Fr. 7:00 – 15:00): + 48 17 78 51 200

Date of compilation: 2015.09.02

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

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

The product is not classified as hazardous according to classification rules (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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (OJ EU L353 of December, 31 2008, with later amendments ATP 1-6)).

#### Harmful effects on human health:

In case of direct contact with eyes may cause slight irritation, redness, lacrimation, burning sensation, itching. Contact with skin may cause redness, itching. Ingestion of large amounts can cause nausea, vomiting and diarrhea.

#### Environmental effects:

With proper use is not hazardous to the environment.

#### Adverse effects associated with physico-chemical properties:

Not identified.

### 2.2 Label elements

Pictogram: Not required.

Signal Word: Not required.

Hazard Statement: Not required.

Precautionary Statement: Not required.

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Additional labeling:

EUH210 - Safety data sheet available on request.

2.3 Other hazards

This mixture meets neither PBT nor vPvB criteria.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Product identifier: SILPASTA® A

The product does not contain ingredients classified as hazardous under the current rules.

The product contains:

Polydimethylsiloxane: > 90 %

Silica, amorphous, fumed, cryst.-free (CAS: 112945-52-5; EINECS: 601-216-3): < 10 %

### SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- |               |  |
|---------------|--|
| Inhalation:   | Remove casualty from exposure site to fresh air, place in reclining or sitting position, keep at rest and protect against heat loss. If symptoms persist, obtain medical attention.                      |
| Skin contact: | Take off contaminated clothes and rinse immediately with copious amount of water. If necessary, consult a physician.   |
| Eye contact:  | Rinse immediately with copious amount of lukewarm water for at least 15 min. Remove contact lenses. To avoid cornea damage, don't use jet stream. If irritation persists, seek ophthalmologist's advice. |
| Ingestion:    | If swallowed, don't provoke vomiting. Rinse mouth with water, give the casualty plenty of water to drink (unless unconscious). Provide medical attention immediately.                                    |

4.2 Most important symptoms and effects, both acute and delayed

May cause slight irritation to the eyes, skin and respiratory tract. If swallowed, may cause irritation to the mucous membranes of the gastrointestinal tract and stomach.

4.3 Indication of any immediate medical attention and special treatment needed

No special requirements, apply symptomatic treatment.

### SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Non-flammable mixture. Fire in the surroundings should be extinguished with the media suitable for the materials involved in fire.

Unsuitable extinguishing media: Do not use a solid water jet.

5.2 Special hazards arising from the substance or mixture

During fire carbon oxides may be emitted.

5.3 Advice for firefighters

Wear antistatic gas-tight protective suit, self-contained breathing apparatus.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing made of natural fabrics (cotton) or synthetic fibres, safety gloves made of nitrile (thickness  $0.4 \pm 0.05$  mm, breakthrough time  $\geq 480$  min) and safety goggles. Remove from the affected area unprotected persons who do not participate in removal of the failure. Avoid direct contact with the mixture.

### 6.2 Environmental precautions

Protect from releasing to sewage system, surface and ground water, soil.

### 6.3 Methods and materials for containment and cleaning up

Secure sink basins. If possible, stop the leak (close liquid inflow, seal). Damaged packaging place in an overpack. Small amounts absorb into chemically inert binding material (sand, diatomaceous earth), transfer to tight containers and pass to disposal. Wash contaminated surface with large amount of water.

### 6.4 Reference to other sections

Remove according to the recommendations listed in section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

It is recommended to take special precautions during work with the mixture in order to avoid contact with eyes and skin. Protect from releasing to sewage system, water courses and soil. Do not eat, drink or smoke while handling. Wash hands during intervals and after finishing work. Take off contaminated clothing and wash it before reusing.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in original, properly labelled, tightly closed containers; in a dry, properly ventilated storage premise. Protect from sunlight. Protect from frost.

### 7.3 Specific end use(s)

No information about applications other than those mentioned in subsection 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Controls parameters

Component	CAS-no.	Parameter	value	unit
Silica, amorphous inhalable dust	-	WEL – 8-hr TWA (United Kingdom) <sup>1</sup>	6	mg/m <sup>3</sup>
		NDS (Poland) <sup>2</sup>	10	mg/m <sup>3</sup>
Silica, amorphous respirable dust	-	WEL – 8-hr TWA (United Kingdom) <sup>1</sup>	2.4	mg/m <sup>3</sup>
		NDS (Poland) <sup>2</sup>	2	mg/m <sup>3</sup>

<sup>1</sup>[EH40/2005 Workplace exposure limits]

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<sup>2</sup>[ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 6 czerwca 2014 r. w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy]

## 8.2 Exposure controls

### 8.2.1 *Appropriate engineering controls*

Provide appropriate general ventilation.

### 8.2.2 *Individual protective measures such as personal protective equipment*

Respiratory protection: Not necessary under normal conditions.

Skin and hands protection: Wear protective clothing made of natural fabrics (cotton) or synthetic fibres, safety gloves made of nitrile (thickness  $0.4 \pm 0.05$  mm, breakthrough time  $\geq 480$  min).

Eye/face protection: Not required.

Occupational hygiene: General industrial hygiene rules apply. Don't allow exceeding occupational exposure levels. After finishing work remove contaminated clothes. Wash hands and face before work breaks. Wash entire body after finishing work. Do not drink, eat and smoke during work.

### 8.2.3 *Environmental exposure controls*

Prevent from draining to a municipal sewage system and watercourses.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### a) Appearance

White tixotropic liquid with the consistency of petroleum jelly.

#### b) Odour

No data available.

#### c) Odour threshold

No data available.

#### d) pH

No data available.

#### e) Melting/freezing point

No data available.

#### f) Initial boiling point and boiling range

$>315$  °C (oil)

#### g) Flash point

$>300$  °C (oil) DIN 51376

#### h) Evaporation rate

No data available.

#### i) Flammability

Non-flammable mixture.

#### j) Upper/lower flammability or explosive limits

Not applicable (the mixture does not pose an explosion hazard).

#### k) Vapour pressure

No data available.

#### l) Vapour density

No data available.

#### m) Relative density

1.02 – 1.04 (water=1)

#### n) Solubility(ies)

Water-insoluble.

#### o) Partition coefficient: n-octanol/water

No data available.

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- p) Auto-ignition temperature  
>400 °C (oil) DIN 51794
- q) Decomposition temperature  
No data available.
- r) Viscosity  
No data available.
- s) Explosive properties  
Does not pose an explosion hazard.
- t) Oxidising properties  
No data available for the mixture.

## 9.2 Other information

No data.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No reactivity if stored and used as intended.

### 10.2 Chemical stability

Stable in standard conditions of storage and use.

### 10.3 Possibility of hazardous reactions

Not known.

### 10.4 Conditions to avoid

Not known.

### 10.5 Incompatible materials

Not known.

### 10.6 Hazardous decomposition products

Not known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity:

Based on available data, the classification criteria are not met.

<u>Component</u>	<u>CAS-no</u>	<u>Method</u>	<u>value</u>	<u>unit</u>
Silica	112945-52-5	LD 50 – oral rat	> 5000	mg/kg
		LD 50 – skin rabbit	> 5000	mg/kg
		LC 50 – inhalation rabbit	> 0.139	mg/l (4h)

#### Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

#### Serious eye damage/irritation:

Based on available data, the classification criteria are not met.

#### Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

#### Carcinogenicity:

Based on available data, the classification criteria are not met.

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Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Based on available data, the classification criteria are not met.

<u>Component</u>	<u>CAS-no</u>	<u>Method</u>	<u>value</u>	<u>unit</u>
Silica	12945-52-5	LC <sub>50</sub> – fish ( <i>Brachydanio rerio</i> )	> 10000	mg/l (96h)
		EC <sub>50</sub> – invertebrates ( <i>Daphnia magna</i> )	> 10000	mg/l (24h)

### 12.2 Persistence and degradability

Silica: not biodegradable

Polydimethylsiloxane: biodegradable in abiotic processes

### 12.3 Bioaccumulative potential

Partition coefficient octanol/water: (K<sub>ow</sub>): No data available for the mixture.

Bioconcentration factor (BCF): No data available for the mixture.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

The mixture meets neither PBT nor vPvB criteria.

### 12.6 Other adverse effects

The product forms on the water surface a thin film which can be separated by sedimentation.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Do not dispose together with municipal waste. Do not allow contamination of watercourses.

Used packaging, should be thoroughly emptied. Re-use package can be (after cleaning) reused. Single-use container (after thorough cleaning) shall be recycled.

Special precautions:

Care should be taken when handling emptied containers that have not been thoroughly cleaned.

## SECTION 14: TRANSPORT INFORMATION

ADR/RID, IMDG, IATA

### 14.1 UN number

Not applicable.

### 14.2 UN proper shipping name

Not applicable.

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**14.3 Transport hazard class(es)**

Not applicable.

**14.4 Packing group**

Not applicable.

**14.5 Environmental hazards**

The mixture is not hazardous to the environment according to the UN Model Regulations.

**14.6 Special precautions for user**

No special precautions.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

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**SECTION 15: REGULATORY INFORMATION**

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**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (OJ EU L396 of December 30, with later amendments);

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH);

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (OJ EU L353 of December, 31 2008, with later amendments ATP 1-6);

**15.2 Chemical safety assessment**

Supplier has not assessed the chemical safety of the mixture.

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**SECTION 16: OTHER INFORMATION**

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This safety data sheet has been prepared in the Ignacy Mościcki' Industrial Chemistry Research Institute on the basis of the data delivered by the manufacturer.

Data for the registered substances: <http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>

The information contained in this safety data sheet describes the product exclusively from the safety requirements perspective. The user is responsible for setting up the conditions for safe use of the product and bears a sole responsibility for the consequences of its incorrect use.

**Abbreviations:**

OEL	Occupational Exposure Level (8 h/day).
STEL	Short Term Exposure Limit (30 minutes).
vPvB	very Persistent very Bioaccumulative.
PBT	Persistent, Bioaccumulative, Toxic.
LD <sub>50</sub>	Lethal dose, median dose, where 50 % of test subject dies.
LC <sub>50</sub>	Lethal concentration, median concentration where 50 % of test subjects dies.
LDL <sub>0</sub>	Lowest Dose causing lethality.

## SAFETY DATA SHEET



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EC <sub>50</sub>	The effective concentration of substance that causes 50% of the maximum response.
DNEL	Derived No-Effect Level.
PNEC	Predicted No Effect Concentration.
BCF	Biological Concentration Factor.