

Safety data sheet according to Regulation (EC)  
No. 1907/2006, Article 31  
Print date 04.10.2023  
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Version 38

### SECTION 1: DESCRIPTION OF THE SUBSTANCE OR MIXTURE AND THE COMPANY

|                                                                               |                                                                                                                                                                                       |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Trade name                                                                    | Z 9070 - Special lubricant synthetic                                                                                                                                                  |
| Relevant identified uses of the substance or mixture and uses advised against | No further relevant information available.                                                                                                                                            |
| Application of the substance / mixture                                        | Lubricating grease                                                                                                                                                                    |
| Manufacturer / Supplier                                                       | STRACK NORMA GmbH & Co. KG<br>Königsberger Strasse 11<br>D- 58511 Lüdenscheid<br>Tel.: +49 2351 8701-0<br>Fax: +49 2351 8701-100<br>e-mail: info@strack.de<br>Internet: www.strack.de |
| Emergency information                                                         | Giftnotruf Bonn: Bei Vergiftungen<br>Telefon: +49 228 19 240                                                                                                                          |

### SECTION 2: POTENTIAL HAZARDS

- 2.1 Classification of the substance or mixture:**  
**Classification according to Regulation (EC) No 1272/2008.**  
*The product is not classified according to the CLP regulation.*
- 2.2 Labelling elements**  
**Labelling according to Regulation (EC) No 1272/2008: Not applicable**  
**Hazard pictograms:** *Not applicable*  
**Signal word:** *Not applicable*  
**Hazard warnings** *Not applicable*
- 2.3 Other hazards**  
**Results of PBT and vPvB assessment**  
**PBT:** *not applicable*  
**vPvB:** *not applicable*

### SECTION 3: COMPOSITION/DISCLOSURE OF COMPONENTS

#### 3.2 Chemical characterisation: Mixtures

**Description:** *Lubricating grease based on perfluoropolyether*

|                                                             |                                                                                                                                                              |            |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Hazardous ingredients:                                      |                                                                                                                                                              |            |
| CAS: 67762-90-7<br>EG-Nummer: 614-122-2<br>Reg.nr.: exempté | Amorphous silica<br>Nanoform: Category containing amorphous nanoforms<br>Shape: Spherical / Structure: amorphous shapes<br>Crystallinity: amorphous nanoform | 2,5 - 10 % |

**Additional information:** *The wording of the listed hazard warnings can be found in section 16.*

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

**General information:** *No special measures required.*

**After inhalation:** *Not applicable as solid or paste is solvent-free.*

**After skin contact:** *Wash off immediately with soap and water and rinse thoroughly.  
If skin irritation persists, consult a doctor.*

**After eye contact:** *Rinse opened eye for several minutes under running water and consult a doctor  
and consult a doctor.*

**After ingestion:** *Do not induce vomiting, seek medical attention immediately.*

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

*No further relevant information available.*

#### 4.3 Information on immediate medical assistance or specialised treatment:

*No further relevant information available.*

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### ABSCHNITT 5: MASSNAHMEN ZUR BRANDBEKÄMPFUNG

#### 5.1 Löschmittel

**Geeignete Löschmittel:** *Nicht brennbares Produkt. Feuerlöschrmaßnahmen auf die Umgebung abstimmen.*

#### 5.2 Besondere vom Stoff oder vom Gemisch ausgehende Gefahren: Explosions- und Brandgase nicht einatmen.

#### 5.3 Hinweise für die Brandbekämpfung

**Besondere Schutzausrüstung:** *Atemschutzgerät anlegen.*

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### SECTION 6: MEASURES TO BE TAKEN IN CASE OF INAPPROPRIATE RELEASE

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

*Particular risk of slipping due to leaked/spilled product.*

#### 6.2 Environmental protection measures:

*Do not allow to enter drains or waterways.*

#### 6.3 Methods and material for containment and cleaning:

*Pick up mechanically*

#### 6.4 Reference to other sections:

*See section 7 for information on safe handling.*

*For information on personal protective equipment see section 8.*

*For information on disposal see section 13.*

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### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling: No special measures required.

*No special measures required if used properly.*

**Notes on fire and explosion protection:** *Keep breathing apparatus ready.*

#### 7.2 Conditions for safe storage, taking into account incompatibilities

**Storage:**

**Requirements for storage rooms and containers:** *Safely prevent penetration into the ground.*

**Storage instructions:** *Store away from oxidising agents.*

**Further information on storage conditions:** *Store in a cool, dry place in tightly closed containers.*

**Storage class:** 11

**7.3 Specific end uses:** *No further relevant information available.*

## SECTION 8: LIMITATION AND MONITORING OF EXPOSURE / PERSONAL PROTECTIVE EQUIPMENT PROTECTIVE EQUIPMENT

### 8.1 Parameters to be monitored

**Components with limit values that require monitoring at the workplace:**

*The product does not contain any relevant quantities of substances with limit values to be monitored at the workplace.*

**Additional information:** *The lists valid at the time of creation served as the basis.*

### 8.2 Limitation and monitoring of exposure

**Suitable technical control equipment:** *No further information, see section 7*

**Individual protective measures, for example personal protective equipment**

**General protective and hygiene measures:**

*The usual precautionary measures for handling chemicals must be observed.*

**Respiratory protection:** *Not required*

**Hand protection:**  *Protective gloves*

**Glove material**

*Nitrile rubber*

*The selection of a suitable glove depends not only on the material, but also on other quality features and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.*

**Penetration time of the glove material:**

*The exact breakthrough time must be obtained from the protective glove manufacturer and adhered to.*

**Eye protection/face protection:**  *Safety goggles*

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

**General information**

**Appearance:**

**Physical state:**

*pasty*

**Colour:**

*white*

**Geruch:**

*Neutral*

**Odour threshold:**

*not determined*

**pH value.**

*Not applicable*

**Change of state**

**Melting point/freezing point:**

*Not determined*

**Boiling point/boiling range:**

*Not determined*

**Flash point:**

*Not applicable*

**Inflammability:**

*Not determined*

**Decomposition temperature:**

*Not determined*

**Explosive properties:**

*The product is not explosive*

**Explosion limits**

|                                          |                                                                                                                                                                 |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lower:                                   | Not determined                                                                                                                                                  |
| Upper:                                   | Not determined                                                                                                                                                  |
| Vapour pressure:                         | Not applicable                                                                                                                                                  |
| Density at 20 °C:                        | 1,84 g/cm <sup>3</sup>                                                                                                                                          |
| Relative density:                        | Not determined                                                                                                                                                  |
| Vapour density::                         | Not applicable                                                                                                                                                  |
| Evaporation rate:                        | Not applicable                                                                                                                                                  |
| Solubility:                              | Not soluble in hydrocarbons, alcohol                                                                                                                            |
| Water:                                   | Insoluble                                                                                                                                                       |
| Partition coefficient (n-octanol/water): | Not determined                                                                                                                                                  |
| Viscosity                                |                                                                                                                                                                 |
| Dynamic:                                 | Not applicable                                                                                                                                                  |
| Kinematic:                               | Not applicable                                                                                                                                                  |
| Particle properties:                     | 67762-90-7 Amorphous silica:<br>Category containing amorphous nanoforms<br>Shape: Spherical<br>Structure: amorphous forms<br>Crystallinity: amorphous nanoforms |

### 9.2 Other information:

|                                                                             |                                  |
|-----------------------------------------------------------------------------|----------------------------------|
| Appearance:                                                                 |                                  |
| Shape:                                                                      | Pasty                            |
| <b>Important information on health, environmental protection and safety</b> |                                  |
| Ignition temperature:                                                       | The product is not self-igniting |
| Explosive properties:                                                       | The product is not explosive     |
| Change of state:                                                            |                                  |
| Evaporation rate                                                            | : Not applicable                 |

#### Information on physical hazard classes

##### Explosive substances/mixtures and articles

with explosives: Not applicable

|                                                                            |                |
|----------------------------------------------------------------------------|----------------|
| Flammable gases:                                                           | Not applicable |
| Aerosols:                                                                  | Not applicable |
| Oxidising gases:                                                           | Not applicable |
| Gases under pressure:                                                      | Not applicable |
| Flammable liquids                                                          | Not applicable |
| Flammable solids:                                                          | Not applicable |
| Self-reactive substances and mixtures:                                     | Not applicable |
| Pyrophoric liquids:                                                        | Not applicable |
| Pyrophoric solids:                                                         | Not applicable |
| Self-heating substances and mixtures:                                      | Not applicable |
| Substances and mixtures which, in contact with water, emit flammable gases | Not applicable |
| Oxidising liquids:                                                         | Not applicable |
| Oxidising solids:                                                          | Not applicable |
| Organic peroxides:                                                         | Not applicable |
| Substances and mixtures corrosive to metals:                               | Not applicable |
| Desensitised substances/mixtures and products containing explosives:       | Not applicable |

### SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:** No further relevant information available.

**10.2 Chemical stability**

**Thermal decomposition / Conditions to avoid:** Stable at ambient temperature.

**10.4 Conditions to avoid:** No further relevant information available.

**10.5 Incompatible materials:** strong Lewis acids

**10.6 Hazardous decomposition products:**

Risk of formation of toxic pyrolysis products containing fluorine

Hydrocarbons, CO, CO<sub>2</sub>

### SECTION 11: TOXICOLOGICAL INFORMATION

**11.1 Information on hazard classes according to Regulation (EC) No 1272/2008**

**Acute toxicity:** Based on available data, the classification criteria are not met.

| Einstufungsrelevante LD/LC50-Werte: |      |                                 |
|-------------------------------------|------|---------------------------------|
| 67762-90-7 Amorphous silica         |      |                                 |
| Oral                                | LD50 | >5.000 mg/kg (Ratte) (OCDE 401) |
| Inhalativ                           | CL0  | 0,139 mg/L (Ratte) (4h)         |

**Corrosive irritant effect on the skin:** No known irritation. Based on available data, the classification criteria are not met.

**Serious eye damage/irritation:** Slightly irritant. Based on available data, the classification criteria are not met.

**Sensitisation of the respiratory tract/skin:** 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.

**Reproductive toxicity:** Based on available data, the classification criteria are not met.

**Specific target organ toxicity at single exposure:** Based on available data, the classification criteria are not met.

**Specific target organ toxicity with repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

**11.2 Information on other hazards**

**Endocrine disrupting properties:** None of the ingredients are present

### SECTION 12: ENVIRONMENTAL INFORMATION

**12.1 Toxicity**

| Aquatische Toxizität:       |              |                       |
|-----------------------------|--------------|-----------------------|
| 67762-90-7 Amorphous silica |              |                       |
| CL50-96H                    | >10.000 mg/l | (Fisch) (OCDE 203)    |
| CE50                        | >1.000 mg/l  | (Daphnien) (OCDE 202) |

**12.2. Persistence and degradability:** No further relevant information available.

**12.3. Bioaccumulative potential:** No further relevant information available.

**12.4. Mobility in soil:** No further relevant information available.

**12.5. Results of the PBT and vPvB assessment**

**PBT:** not applicable

vPvB: *not applicable*

**12.6. Other adverse effects:** *The product does not contain any substances with endocrine-disrupting properties.*

### 12.7 Other adverse effects

**Further ecological information:**

**General information:**

Water hazard class 1: slightly hazardous to water

Do not allow product to reach ground water, water bodies or sewage system.

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## SECTION 13: NOTES ON DISPOSAL

### 13.1 Waste treatment methods

**Recommendation:** *Must not be disposed of together with household waste. Do not allow to enter the sewage system.*

**Uncleaned packaging**

**Recommendation:** *Disposal in accordance with official regulations.*

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## Section 14: TRANSPORT INFORMATION

### 14.1 UN number

ADR, ADN, IMDG, IATA

*Not applicable*

### 14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

*Not applicable*

### 14.3 Transport hazard classes

ADR, ADN, IMDG, IATA

Klasse

*Not applicable*

### 14.4 Packaging group

ADR, IMDG, IATA

*Not applicable*

### 14.5 Environmental hazards

Marine pollutant

*No*

### 14.6 Special precautions

for the user

*not applicable*

### 14.7 Transport of bulk cargoes by sea

by sea in accordance with IMO instruments

*not applicable*

UN „Model Regulation“:

*Not applicable*

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## SECTION 15: LEGAL REGULATIONS

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

Directive 2012/18/EU

Named dangerous substances - ANNEX 1: *None of the ingredients contained*

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II

*none of the ingredients are included*

REGULATION (EU) 2019/1148

Annex 1 - Restricted explosives precursors (upper concentration limit for authorisation under

**Article 5(3))** *none of the ingredients are included*

**Annex II - Notifiable explosives precursors**

*none of the ingredients are included*

**Regulation (EC) No 273/2004 on drug precursors**

*none of the ingredients are included*

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug substitutes between the Community and third countries**

*none of the ingredients are included*

**National regulations:**

**Classification according to VbF:**

*Not applicable*

**Water hazard class:**

*WGK 1: slightly hazardous to water*

**15.2 Chemical safety assessment:**

*A safety assessment was not carried out.*

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## SECTION 16: OTHER INFORMATION

*The information is based on our current state of knowledge, but does not constitute a guarantee of product properties and does not establish a contractual legal relationship.*

**Data sheet issuing area:**

*see point 1*

*\*Data changed compared to the previous version*