

Safety data sheet according to Regulation (EC)
No. 1907/2006, Article 31
Print date 21.02.2025
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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 Königsberger Strasse 11 D- 58511 Lüdenscheid Tel.: +49 2351 8701-0 Fax: +49 2351 8701-100 e-mail: info@strack.de Internet: www.strack.de |
| Emergency information | Poison Emergency Hotline Bonn Telephone: +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 EG-Nummer: 614-122-2 Reg.nr.: exempté | Amorphous silica Nanoform: Category containing amorphous nanoforms Shape: Spherical / Structure: amorphous shapes 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.

ABSCHNITT 5: MASSNAHMEN ZUR BRANDBEKÄMPFUNG

5.1 Extinguishing media

Suitable extinguishing media: *Non-combustible product. Adapt fire extinguishing measures to the environment.*

5.2 Special hazards arising from the substance or mixture: *Do not inhale explosion and combustion gases.*

5.3 Instructions for firefighting

Special protective equipment: *Put on breathing apparatus.***auss**

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.

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

Odour

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 ³ |
| 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: Category containing amorphous nanoforms Shape: Spherical Structure: amorphous forms Crystallinity: amorphous nanoforms |

9.2 Other information:

| | |
|---|----------------------------------|
| Appearance: | |
| Shape: | Pasty |
| Important information on health, environmental protection and safety | |
| 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, CO₂

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.

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.*

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

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.

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*