

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

Revision date: 28 Feb 2023

Print date: 15 Feb 2024

Version: 2



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Silico Grease H1 1kg

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name/designation:

Silico Grease H1 1kg

Article No.:

T208001

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

Use of the substance/mixture:

Lubricating agent

1.3. Details of the supplier of the safety data sheet

Supplier:

KANDO Service GmbH

Hartleitnerstraße 3

4653 Eberstälzell

Austria

Telephone: +43 (0) 7241 213 79

E-mail: msds@kando.eu

1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: none

Supplemental hazard information: none

Precautionary statements: none

2.3. Other hazards

Other adverse effects:

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description:

Polydimethylsiloxanes with inert fillers

SECTION 4: First aid measures

4.1. Description of first aid measures

Following inhalation:

No data available

In case of skin contact:

After contact with skin, first remove product with a dry cloth and then wash the skin with plenty of water.

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After eye contact:

Immediately rinse with water for several minutes. In case of eye irritation consult an ophthalmologist.

Following ingestion:

Immediately call a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Following inhalation: None known

After eye contact: Irritation, Redness

Following ingestion: Nausea, Vomiting, Gastrointestinal complaints

In case of skin contact: Irritation, Redness

4.3. Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO₂), Foam, Water spray jet, Powder

Unsuitable extinguishing media:

none

5.2. Special hazards arising from the substance or mixture

The product is not flammable. The product is not explosive.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Wear individual respirator. Evacuate personnel to safe areas. Approach from the windward side. Protect emergency personnel with water spray when approaching the fire. Keep container and surrounding area cool with water spray. Keep product and empty container away from heat and ignition sources.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Wear protective gloves.

6.1.2. For emergency responders

Personal protection equipment:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

6.2. Environmental precautions

No further relevant information available.

6.3. Methods and material for containment and cleaning up

For cleaning up:

Collect with shovel, sawdust and sand.

6.4. Reference to other sections

Further information on proper storage: see section 7.

For further information on personal protective equipment: see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear protective gloves. To avoid thermal decomposition, do not overheat.

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7.2. Conditions for safe storage, including any incompatibilities

Packaging materials:

plastic, Glass

Requirements for storage rooms and vessels:

Keep/Store only in original container.

Hints on storage assembly:

Keep away from clothing and other combustible materials.

Further information on storage conditions:

Protect from heat and direct sunlight. Ensure tight electrical equipment that is well protected against corrosion.

7.3. Specific end use(s)

Recommendation:

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide local ventilation appropriate to the decomposition risk of the product (see section 10). See protective measures listed in sections 7 and 8. Components with limit values that need to be monitored. Apply technical measures to comply with occupational exposure limits.

8.2.2. Personal protection equipment

Eye/face protection:

Safety goggles

Skin protection:

Hand protection:

Wear protective gloves.

Skin protection:

Use protective suit.

Wear safety shoes.

Respiratory protection:

Not necessary

Other protection measures:

General protective and hygienic measures:

The usual precautions when handling chemicals must be observed. Do not eat, drink, smoke or snort while working. Do not inhale dust/fume/mist. Keep away from food, drink and animal feed. Wash hands before breaks and at the end of work.

8.2.3. Environmental exposure controls

none

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Paste

Colour: whitish

Odour: odourless

Odour threshold: No data available

Safety relevant basis data

Parameter	Value	① Method ② Remark
Initial boiling point and boiling range	No data available	
Flash point	> 300 °C	
Evaporation rate	No data available	

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Parameter	Value	① Method ② Remark
Vapour pressure	No data available	
Density	0.98 g/cm ³	
Water solubility	practically insoluble	
Self ignition temperature	> 400 °C	

9.2. Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No known hazardous reactions.

10.2. Chemical stability

Chemically stable under conditions of storage, handling and use.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

On thermal decomposition at high temperatures (250°C) formation of flammable siloxanes.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information

Mixture related information

LD₅₀ oral: >5,000 mg/kg (Rat)

Acute dermal toxicity:

No data available.

Acute inhalation toxicity:

No data available.

Skin corrosion/irritation:

No data available.

Serious eye damage/irritation:

No data available.

Respiratory or skin sensitisation:

No data available.

Germ cell mutagenicity:

No data available.

Carcinogenicity:

No data available.

Reproductive toxicity:

No data available.

STOT-single exposure:

No data available.

STOT-repeated exposure:

No data available.

Aspiration hazard:

No data available.

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11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity:

non-toxic

12.2. Persistence and degradability

Abiotic degradation:

No data available

Biodegradation:

Do not discharge into rivers, lakes or seas.

12.3. Bioaccumulative potential

Bioconcentration factor (BCF):

No data available

Accumulation / Evaluation:

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

none

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment options

Appropriate disposal / Product:

Incineration is possible, the incinerator must be equipped with neutralisation and recycling systems for hydrofluoric acid.

Appropriate disposal / Package:

For disposal, large quantities must be burnt in plants equipped with gas purification systems.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Authorisations:

Regulation (CLP) 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. 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.

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration Factor
CLP	Classification, Labelling and Packaging
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LD ₅₀	Lethal (fatal) Dose 50%
NFPA	National Fire Protection Association
PBT	persistent and bioaccumulative and toxic
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
UN	United Nations

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

No data available

16.6. Training advice

No data available

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16.7. Additional information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.