



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.07.2020

Version number 11

Revision: 08.07.2020

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

- **1.1 Product identifier**
 - **Trade name:** Food Grade H1 Silicone Grease
 - **Article number:** 56941501
 - **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
 - **Application of the substance / the mixture** Grease
 - **1.3 Details of the supplier of the safety data sheet**
 - **Supplier:**
Alfa Laval Tumba AB
Hans Stahles väg 7
S-147 80 Tumba
Sweden
+46 8 530 650 00
info.se@alfalaval.com
 - **Further information obtainable from:**
For further questions regarding the safety data sheet, please contact your local Alfa Laval Sales Company which you find at www.alfalaval.com or in section 16 "Other Information" in the end of the safety data sheet
 - **1.4 Emergency telephone number:**
For immediate, life-threatening emergencies, call 999
For health advice and information (24h) dial 111 (NHS direct).
- In Europe: Call 112 and ask for poison information.

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, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**
EUH210 Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

vPvB:

CAS: 540-97-6 | Dodecamethyl cyclohexasiloxane

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SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:**

The product contains no substances for labeling in such quantities that they need to be declared under the current legislation.

· **Dangerous components:**

CAS: 540-97-6	Dodecamethyl cyclohexasiloxane	0.27-0.29%
EINECS: 208-762-8	non-classified vPvB substance	

· **SVHC**

CAS: 540-97-6	Dodecamethyl cyclohexasiloxane
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· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

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

· **After inhalation:** Supply fresh air.

· **After skin contact:**

Wash with water and soap.

If skin irritation continues, consult a doctor.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

If symptoms persist consult doctor.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Not applicable.

· **5.2 Special hazards arising from the substance or mixture**

Carbon monoxide and carbon dioxide

Formaldehyde

Silica

Fluorine compounds

· **5.3 Advice for firefighters**

· **Protective equipment:** No special measures required.

· **Additional information** Cool endangered receptacles with water spray.

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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
See Section 8 for information on personal protection equipment.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Send for recovery or disposal in suitable receptacles.
In case of seepage into the ground inform responsible authorities.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
When using do not eat or drink.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** Professional use only.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

CAS: 540-97-6 Dodecamethyl cyclohexasiloxane

Oral	DNEL - Long term, Systemic effects	1.7 mg/kg bw/day (Consumer)
Inhalative	DNEL - Acute, Local effects	1.5 mg/m3 (Consumer)
		6.1 mg/m3 (Worker)
	DNEL - Long term, Systemic effects	2.7 mg/m3 (Consumer)
		11 mg/m3 (Worker)
	DNEL - Long term, Local effects	0.3 mg/m3 (Consumer)
		1.22 mg/m3 (Worker)

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· PNECs
CAS: 540-97-6 Dodecamethyl cyclohexasiloxane

PNEC	2.8626 mg/L (Freshwater sediment)
	0.282 mg/L (Saltwater sediment)
	>1 mg/L (Water treatment plant)
	3.336 mg/L (Soil)

· 8.2 Exposure controls
· Personal protective equipment:
· General protective and hygienic measures:

Wash hands before breaks and at the end of work.

The usual precautionary measures are to be adhered to when handling chemicals.

Use only in well-ventilated areas.

Take off contaminated clothing.

· Respiratory protection: Not required.

· Protection of hands: Not required.

· Material of gloves: Not required.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:

If eye contact is likely, safety glasses with side shields are recommended.



Safety glasses

· Limitation and supervision of exposure into the environment

Do not allow product to reach sewage system or any water course.

Send for recovery or disposal in suitable receptacles.

In case of seepage into the ground inform responsible authorities.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties
· General Information
· Appearance:
Form: Highly viscous

Colour: White

· Odour: Odourless

· Odour threshold: Not determined.

· pH-value: Not determined.

· Change in condition
Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: Undetermined.

· Flash point: >200 °C

· Flammability (solid, gas): Not applicable.

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· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Oxidising properties	Not applicable.
· Vapour pressure:	Not determined.
· Density at 20 °C:	1.2 g/cm ³
· Relative density	1.2
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Not determined.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** Material is stable under normal conditions.
- **10.2 Chemical stability**
Stable under normal temperature conditions and under recommended usage and storage.
- **Thermal decomposition / conditions to be avoided:**
To avoid thermal decomposition do not overheat.
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Iron
- **10.6 Hazardous decomposition products:**
Formation of toxic gases is possible during heating or in case of fire.
Formaldehyde
Chlorine compounds

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:		
CAS: 540-97-6 Dodecamethyl cyclohexasiloxane		
Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)

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- **Primary irritant effect:**
- **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.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.
- **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

Aquatic toxicity:

CAS: 540-97-6 Dodecamethyl cyclohexasiloxane

EC50 (72 h) >0.002 mg/L (Algae)

NOEC - No observed effect concentration 0.0046 mg/l (Daphnia) (21 d)

12.2 Persistence and degradability

CAS: 540-97-6 Dodecamethyl cyclohexasiloxane

Biodegradability 57 % (28 d, OECD test 301B)

12.3 Bioaccumulative potential

CAS: 540-97-6 Dodecamethyl cyclohexasiloxane

Bioconcentration factor <100

log Pow 8.87

12.4 Mobility in soil

The product is expected to have high mobility in soil.

CAS: 540-97-6 Dodecamethyl cyclohexasiloxane

Koc 0-50

12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.

vPvB:

CAS: 540-97-6 Dodecamethyl cyclohexasiloxane

- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

07 00 00 WASTES FROM ORGANIC CHEMICAL PROCESSES

07 06 00 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics

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07 06 08* | other still bottoms and reaction residues

- **Uncleaned packaging:**
- **Recommendation:**
Packagings that may not be cleansed are to be disposed of in the same manner as the product. Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--|-----------------|
| · 14.1 UN-Number
· ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name
· ADR, ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es)
· ADR, ADN
· Class | Void |
| · IMDG, IATA
· Class
· Label | Void
- |
| · 14.4 Packing group
· ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards:
· Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
EU Regulation (EC) no.1907/2006 (REACH)
EU regulation (EC) no 1272/2008 (CLP)
TSCA (Toxic Substance Control Act) - All chemical components in this material are included in, or are exceptions from the TSCA listing.

- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

CAS: 540-97-6 | Dodecamethyl cyclohexasiloxane

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

LIMITATION OF LIABILITY

This document is only intended to be used as guidance as regards the risks of which we are aware that are associated with the product. Every individual who works with the product or in close proximity of it must receive suitable training. Individuals who come into contact with the product must be capable of using their own judgement as regards conditions or methods for handling, storing and using the product. Alfa Laval is not liable for demands, losses or damage of any kind that arise from flaws or deficiencies in this document or from using, handling, storing or disposing of the product unless it can be proven that Alfa Laval has acted in a grossly negligent manner. Beyond what has been agreed upon and specified in writing with Alfa Laval in the individual case, Alfa Laval makes no promises or assumes any liability, including but not limited to implicit guarantees regarding marketability or appropriateness in terms of both the information provided in this document and the product to which the information refers.

www.alfalaval.com

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Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

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ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative

*** Data compared to the previous version altered.**

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