



Safety Data Sheet according to WHS Regulations

Printing date 25.09.2020

Version number 1

Revision: 25.09.2020

1 Identification

- **Product identifier**
- **Trade name: Food Grade H1 Silicone Grease**
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Grease
- **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
Australian supplier:
Alfa Laval Australia Pty Ltd
Locked Bag 40, Blacktown Business Centre
NSW - NSW-2148 Blacktown
Australia
Visit: 14 Healey Circuit, - NSW - NSW-2148 Huntingwood
Tel switchboard: +61 2 8822 2700 - Fax switchboard: +61 2 8822 2799
www.alfalaval.com.au
australia.info@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
- **Emergency telephone number:**
Call 000 or 112 and ask for poison information.
Australian Poisons Information Centre Tel:13 11 26

2 Hazard(s) Identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonised System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

vPvB:

CAS: 540-97-6 | Dodecamethyl cyclohexasiloxane

AU

(Contd. on page 2)



Safety Data Sheet according to WHS Regulations

Printing date 25.09.2020

Version number 1

Revision: 25.09.2020

Trade name: Food Grade H1 Silicone Grease

(Contd. of page 1)

3 Composition and Information on Ingredients

- **Chemical characterisation: 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	vPvB	0.27-0.29%
---------------	--------------------------------	------	------------

- **SVHC**

CAS: 540-97-6	Dodecamethyl cyclohexasiloxane
---------------	--------------------------------

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

- **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.

- **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire Fighting Measures

- **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.

- **Special hazards arising from the substance or mixture**

Carbon monoxide and carbon dioxide

Formaldehyde

Silica

Fluorine compounds

- **Advice for firefighters**

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

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

-AU-

(Contd. on page 3)

Safety Data Sheet according to WHS Regulations

Printing date 25.09.2020

Version number 1

Revision: 25.09.2020

Trade name: Food Grade H1 Silicone Grease

(Contd. of page 2)

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
See Section 8 for information on personal protection equipment.
- **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.
- **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.
- **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.

7 Handling and Storage

- **Handling:**
- **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.
- **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.
- **Specific end use(s)** Professional use only.

8 Exposure controls and personal protection

- **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.

· **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/m ³ (Consumer)
		6.1 mg/m ³ (Worker)
	DNEL - Long term, Systemic effects	2.7 mg/m ³ (Consumer)
		11 mg/m ³ (Worker)
	DNEL - Long term, Local effects	0.3 mg/m ³ (Consumer)
		1.22 mg/m ³ (Worker)

(Contd. on page 4)

Safety Data Sheet according to WHS Regulations

Printing date 25.09.2020

Version number 1

Revision: 25.09.2020

Trade name: Food Grade H1 Silicone Grease

(Contd. of page 3)

· **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)

· **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 and wash before reuse.

· **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.

9 Physical and Chemical Properties

· **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.

(Contd. on page 5)

Safety Data Sheet according to WHS Regulations

Printing date 25.09.2020

Version number 1

Revision: 25.09.2020

Trade name: Food Grade H1 Silicone Grease

(Contd. of page 4)

· 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.
· Other information	No further relevant information available.

10 Stability and Reactivity

- **Reactivity** Material is stable under normal conditions.
- **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.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Iron
- **Hazardous decomposition products:**
Formation of toxic gases is possible during heating or in case of fire.
Formaldehyde
Chlorine compounds

11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

· 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)

(Contd. on page 6)



Safety Data Sheet according to WHS Regulations

Printing date 25.09.2020

Version number 1

Revision: 25.09.2020

Trade name: Food Grade H1 Silicone Grease

(Contd. of page 5)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological Information

- **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)
---	------------------------------

- **Persistence and degradability**

CAS: 540-97-6 Dodecamethyl cyclohexasiloxane

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

- **Behaviour in environmental systems:**

- **Bioaccumulative potential**

CAS: 540-97-6 Dodecamethyl cyclohexasiloxane

Bioconcentration factor	<100
-------------------------	------

log Pow	8.87
---------	------

- **Mobility in soil**

The product is expected to have high mobility in soil.

CAS: 540-97-6 Dodecamethyl cyclohexasiloxane

Koc	0-50
-----	------

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:**

CAS: 540-97-6	Dodecamethyl cyclohexasiloxane
---------------	--------------------------------

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

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation**

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

- **Uncleaned packaging:**

- **Recommendation:**

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

(Contd. on page 7)



Safety Data Sheet according to WHS Regulations

Printing date 25.09.2020

Version number 1

Revision: 25.09.2020

Trade name: Food Grade H1 Silicone Grease
--

Disposal must be made according to official regulations.
--

(Contd. of page 6)

14 Transport information

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

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
TSCA (Toxic Substance Control Act) - All chemical components in this material are included in, or are exceptions from the TSCA listing.

· Australian Inventory of Industrial Chemicals

All ingredients are listed.

· Standard for the Uniform Scheduling of Medicines and Poisons

None of the ingredients is listed.

· Australia: Priority Existing Chemicals

None of the ingredients is listed.

- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.
--

(Contd. on page 8)



Safety Data Sheet according to WHS Regulations

Printing date 25.09.2020

Version number 1

Revision: 25.09.2020

Trade name: Food Grade H1 Silicone Grease

(Contd. of page 7)

- **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
---------------	--------------------------------

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

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

· **Contact:**

Please contact your local Alfa Laval Sales Company for further questions.

Argentina: alfa.consulta@alfalaval.com
Australia: australia.info@alfalaval.com
Austria: info.mideurope@alfalaval.com
Belgium: benelux.info@alfalaval.com
Bolivia: alfa.consulta@alfalaval.com
Brazil: alfalaval.br@alfalaval.com
Bulgaria: bulgaria.info@alfalaval.com
Canada: alfacan.info@alfalaval.com
Chile: chile.informacion@alfalaval.com
China: china.info@alfalaval.com
Colombia: info.colombia@alfalaval.com
Croatia: hrvatska.info@alfalaval.com
Czech Republic: czechrepublic.info@alfalaval.com
Denmark: info.nordic.dk@alfalaval.com
Egypt: alme.marketing@alfalaval.com
Estonia: estonia.info@alfalaval.com
Finland: info.fi@alfalaval.com
France: environnement@alfalaval.com
Germany: info.mideurope@alfalaval.com
Greece: greece.info@alfalaval.com
Hungary: info.hu@alfalaval.com
India: india.info@alfalaval.com
Indonesia: alfalindo@alfalaval.com
Israel: israel.info@alfalaval.com
Italy: alfalaval.italia@alfalaval.com
Latvia: latvia.info@alfalaval.com
Lithuania: lithuania.info@alfalaval.com
Malaysia: malaysia.info@alfalaval.com

(Contd. on page 9)



Safety Data Sheet according to WHS Regulations

Printing date 25.09.2020

Version number 1

Revision: 25.09.2020

Trade name: Food Grade H1 Silicone Grease

(Contd. of page 8)

Mexico: mexico.info@alfalaval.com

The Netherlands: benelux.info@alfalaval.com

· **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

EINECS: European Inventory of Existing Commercial Chemical Substances

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.**

- AU -