

Voluntary product information based on the format of the safety data sheet

In accordance with the amended version of Regulation (EC) No 1907/2006 (REACH)

SILADENT

Date of amendment: 10.05.2024

Version: 1

Retention elements and clasp components

SECTION 1: Identification of the substance or mixture and of the company

1.1 Product identifier

Product group:

Retention elements and clasp components

Trade name:

Wax meshes,
Perforated Retentions,
Grid meshes,
Bonyhard-clasps,
Molar clasps,
Premolar clasps,
Ring clasps

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

Use of the product:

Modelling wax/dental wax for prosthetics in dental technology. Application/use by trained professionals only.

Uses not recommended:

Use by private consumers.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier:

SILADENT Dr. Böhme & Schöps GmbH

Street / PO Box:

Im Klei 26

Country code / Postcode / Town:

DE - 38644 Goslar

Telephone:

0 53 21 / 37 79 – 0

Fax:

0 53 21 / 38 96 32

Email / Website:

info@siladent.de - www.siladent.de

Street / PO Box:

Im Klei 26

1.4 Emergency telephone number

SILADENT Dr. Böhme & Schöps GmbH:

+49 (0) 53 21 / 37 79 - 0 (Mon-Fri 8:00-16:00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008:

The product is not classified, according to the CLP regulation.

2.2 Label elements CLP No 1272/2008/GB CLP

Labelling according to Regulation (EC) No 1272/2008

Void

Hazard pictograms

Void

Signal word

Void

Hazard statements

Void

2.3 Other hazards:

Fire and explosion hazard (general information):

Slight hazard. Product may form flammable mixtures or burn if heated to temperatures above flash point.

Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

Voluntary product information based on the format of the safety data sheet

In accordance with the amended version of Regulation (EC) No 1907/2006 (REACH)

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SILADENT

Retention elements and clasp components

SECTION 3: Composition/information on ingredients

3.2 Mixture

Description:

Mixture of hydrocarbon waxes, paraffin waxes.

Dangerous components:

Void

Further 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; consult doctor in case of complaints.

After skin contact:

Wash off with soap and water.

In case of contact with hot and/or melted product, cool immediately with plenty of cold water or immerse affected skin area in cold water.

Cover the affected area with clean bandages and seek medical advice or treatment.

Do not attempt to remove the substance or stuck clothing from the skin, as this can easily destroy the damaged body tissue.

After eye contact:

Remove contact lenses if present.

Remove foreign body if possible. Consult a doctor if necessary.

After swallowing:

Rinse mouth immediately.

Normally no further action required.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indications for immediate medical attention or special treatment

No further relevant information available.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Sand (dry), foam, fire-extinguishing powder

Unsuitable extinguishing media:

Water

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

For fire protection personnel: Wear respiratory protection and personal protective equipment.

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Date of amendment: 10.05.2024

Version: 1

Retention elements and clasp components

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Be careful when walking over spilled or leaked material.
Allow hot material to cool.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Allow hot material to cool.
Pick up cooled product mechanically and dispose of in suitable containers.
Dispose of absorbed material in accordance with official regulations.

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

Avoid skin contact with hot wax.
Ensure good ventilation/extraction at the workplace.
Keep ignition sources away - do not smoke.

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:

Store in a cool, dry place in tightly closed containers. If possible, store and transport lying flat.
Protect from heat and direct sunlight.
Protect opened packages from UV radiation.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls and 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.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Appropriate engineering controls: No further data; see section 7.

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SILADENT

Retention elements and clasp components

Individual protection measures, such as personal protective equipment

Protective and hygiene measures:

Keep away from food, drink and animal feed.

Wash hands before breaks and at the end of work.

Store work clothes separately.

Observe the usual precautionary measures when handling chemicals.

Do not eat, drink, smoke or sniff while working.

Remove contaminated clothing and personal protective equipment before entering areas where work is not carried out with mixture/product (e.g. kitchen or canteen areas).

Eye/face protection:

Wear safety goggles with side shields when working with hot wax.

Hand protection:



Protective gloves

Material of gloves

Wear suitable protective gloves when working with hot wax.

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.

Body protection:

Wear appropriate work clothing (e.g. rubber apron) when working with hot wax.

Respiratory protection:

Not required if the product is used as intended.

Avoid inhalation of hot wax fumes.

Wear respiratory protection if necessary in case of insufficient ventilation. Type: A-P2

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state:

Solid

Colour:

turquoise

Odour:

Weak, typical

Odour threshold

Not determined.

pH value:

Not applicable.

Melting point/freezing point:

Undetermined.

Boiling point or initial boiling point and boiling range:

Undetermined.

Flammability

Not determined

Upper/lower flammability or explosion limits:

Lower:

Not determined

Upper:

Not determined

Flash point:

>210 °C (DIN 51376)

Decomposition temperature:

Not determined

Viscosity:

Kinematic viscosity

Not applicable.

Dynamic:

Not applicable.

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SILADENT

Date of amendment: 10.05.2024

Version: 1

Retention elements and clasp components

Solubility:

Water	Insoluble.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure	Not applicable.

Density and/or relative density

Density:	Not determined.
Relative density	Not determined.
Vapour density	Not applicable.
Particle characteristics	See section 3.

9.2 Other information

Appearance:

Form:	Solid
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Important information on protection of health and environment, and on safety.

Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	
Solids content:	100.0 %

Change in condition

Drip point:	54 – 61 °C (DIN ISO 2207 VDG XI 8100)
Evaporation rate	Not applicable.

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity:

No further relevant information available.

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Date of amendment: 10.05.2024

Version: 1

Retention elements and clasp components

10.2 Chemical stability:

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions:

No dangerous reactions known when handled according to specifications.

10.4 Conditions to avoid:

Avoid overheating to > 120°C, as formation of thermal decomposition products (crack gases) is possible.

10.5 Incompatible materials:

Strong oxidising agents, fluorine

10.6 Hazardous decomposition products:

At overheating > 120°C thermal decomposition products (crack gases)

SECTION 11: Toxicological information

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

Acute toxicity:

Based on available data, the classification criteria are not met.

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 sensitisation:

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 following single exposure:

Based on available data, the classification criteria are not met.

Specific target organ toxicity following 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 is listed.

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Retention elements and clasp components

Other information

LD 50/oral/rat: >15,000 mg/kg (from literature)

SECTION 12: Ecological information

12.1 Toxicity:

Aquatic toxicity:

No further relevant information available.

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 Result of the PBT and vPvB assessment:

PBT:

Not applicable.

vPvB:

Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

General notes:

Do not allow uncontrolled release of the product into the environment.

If properly discharged into adapted biological sewage treatment plants, no disturbances are to be expected.

The product can be separated mechanically.

Elimination is mainly by absorption on the sewage sludge.

Not hazardous for water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation:

Product can be disposed of in a landfill or incineration plant in compliance with the applicable regulations and, if necessary, after consultation with the disposal company or the competent authority.

Uncleaned packaging:

Recommendation:

Packaging that cannot be cleaned must be disposed of in the same way as the substance.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA

Not regulated:

14.2 UN proper shipping name

ADR, IMDG, IATA

Not regulated:

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14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Not regulated:

14.4 Packing group

ADR, IMDG, IATA

Not regulated:

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for the user:

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

UN "Model Regulation":

Not regulated.

SECTION 15: Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I

None of the ingredients is listed.

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 is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

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

None of the ingredients is listed.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

Additional information

No guarantee is given for faultlessness, reliability and completeness.

It is the responsibility of the consumers / users to check whether the information on this safety data sheet is sufficient for their specific application.

The user is obliged to read and observe the entire safety data sheet. He assumes sole responsibility for the required regulatory measures.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Contact

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Abbreviations and acronyms:

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
RID:	International Regulations concerning the Transport of Dangerous Goods by Rail
IMDG:	International Maritime Dangerous Goods Code
IATA:	International Air Transport Association
IATA-DGR:	Dangerous Goods Regulations by the "International Air Transport Association"
(IATA) ICAO:	International Civil Aviation Organisation
CAO-TI:	Technical Instructions by the International Civil Aviation Organization (ICAO)
CAS:	Chemical Abstracts Service (a division of the American Chemical Society)
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
CLP:	Regulation on the Classification, Labelling and Packaging of Substances and Mixtures
LC50:	Lethal concentration, 50 per cent
LD50:	Lethal dose, 50 per cent
EC50:	Effective concentration: 50 per cent
DNEL:	Derived No Effect Level
PNEC:	Predicted No Effect Concentration
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	Very Persistent and Very Bioaccumulative
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances