

EU - SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH)

Revision Date: 10.05.2024

Version: 1

SILADENT

Alu bite wax

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

1.1 Product identifier:

Trade name: Alu bite wax

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

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

Uses advised against: Use by private consumers.

1.3 Details of the supplier of the safety data sheet

Supplier: SILADENT Dr. Böhme & Schöps GmbH
Street / mailbox: Im Klei 26
Country code. / postal code / city: D - 38644 Goslar
Phone: Tel.: +49 (0) 53 21 / 37 79 – 0
Fax: Fax: +49 (0) 53 21 / 38 96 32
E-mail / Website: info@siladent.de - www.siladent.de

1.4 Emergency telephone number:

SILADENT Dr. Böhme & Schöps GmbH: +49 (0) 53 21 / 37 79 - 0 (Mon-Fri. 8 a.m. – 4 p.m.)

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

Hazard pictograms: Void.
Signal word: Void.
Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008): Void.
Hazard statements: Void.
Precautionary 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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

Mixture of hydrocarbon waxes, paraffin waxes.

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Dangerous components

Void

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; 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 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 media:

Sand (dry), foam, fire-extinguishing powder

Non suitable 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.

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.

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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

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/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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Individual protection measures, such as personal protective equipment

General protective and hygienic 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).

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

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.

Eye protection

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

Body protection

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Solid
Colour:	Silver
Odour:	Weak, typical
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range:	Undetermined.
Flammability:	Not determined
Lower and upper explosion limit	
Lower explosion limit:	Not determined.
Upper explosion limit:	Not determined.
Flash point:	>210 °C (DIN 51376)
Decomposition temperature:	Not determined.
pH	Not applicable.

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Viscosity:

Kinematic viscosity:

Not applicable.

Dynamic:

Not applicable.

Solubility

Not determined

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

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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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.

Skin corrosion/irritation

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

Serious Eye Damage/Eye 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.

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.

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Aspiration hazard (Components)

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.

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 Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

12.6 Endocrine disruptive effect

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.

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SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1 UN number or ID number	not regulated.	not regulated.	not regulated.
14.2 UN proper shipping name	not regulated.	not regulated.	not regulated.
14.3 Transport hazard class(es)	not regulated.	not regulated.	not regulated.
14.4 Packing group	not regulated.	not regulated.	not regulated.
14.5 Environmental hazards	Not applicable.	Not applicable.	Not applicable.
14.6 Special precautions for user	Not applicable.	Not applicable.	Not applicable.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.	Not applicable.	Not applicable.
UN "Model Regulation"	not regulated.	not regulated.	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

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:	Accord relatif au transport international 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
ELINCS:	European List of Notified Chemical Substances
EINECS:	European Inventory of Existing Commercial Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
LC50:	Lethal concentration, 50 percent