

Casting wax

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

- 1.1 Product identifier**
Commercial product name: Casting wax
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
No further relevant information available.
Use of the substance/mixture: Health services.
- 1.3 Details of the supplier of the safety data sheet**
Company / Manufacturer: al dente Dentalprodukte GmbH
Street / mailbox: Borsigstr. 1
Country code. / postal code / city: D - 38644 Goslar
Phone: 0 53 21 / 80031
Fax: 0 53 21 / 50881
E-mail / Website: info@aldente.de / www.aldente.de
Further information obtainable from: al dente Dentalprodukte GmbH
- 1.4 Emergency telephone number:**
al dente Dentalprodukte GmbH: +49 (0) 53 21 / 80031 (Mo-Fr 8:00-16:00)

SECTION 2: Hazards Identification

- 2.1 Classification of the substance or mixture GB CLP Regulation:**
This mixture is not classified as hazardous in accordance with GB CLP Regulation.
The melted product can cause severe burns. Incineration.: Gas/vapours, harmful. Gas/vapours, irritant.
- 2.2 Label elements**
- 2.3 Other hazards:**
No information available.

SECTION 3: Composition / Information on Ingredients

- 3.2 Mixtures**
Chemical characterisation: Mixture of refined hydrocarbon waxes, resins, and natural ester waxes.
Hazardous components: None (according to UK REACH Regulation).

SECTION 4: First aid measures

- 4.1 Description of first aid measures**
After inhalation: Provide fresh air.
After skin contact: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. After contact with molten product, cool skin area rapidly with cold water.
After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water.
After ingestion: Rinse mouth thoroughly with water.
- 4.2 Most important symptoms and effects, both acute and delayed:**
No information available.

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

SECTION 5: Fire Fighting measures:

5.1 Extinguishing media
Suitable extinguishing media: Co-ordinate fire-fighting measures to the fire surroundings. Foam. Extinguishing powder. Carbon dioxide.
Unsuitable extinguishing agents: Water.

5.2 Special hazards arising from the substance or mixture: Non-flammable.

5.3 Advice for firefighters:
In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
General advice: Avoid dust formation. Do not breathe dust.

6.2 Environmental precautions: No special environmental measures are necessary. Clean contaminated articles and floor according to the environmental legislation.

6.3 Methods and material for containment and cleaning up: Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections: Safe handling: see section 7
 Personal protection equipment: see section 8
 Disposal: see section 13

SECTION 7: Handling and Storage

7.1 Precautions for safe handling:
Advice on safe handling: No special measures are necessary.
Advice on protection against fire and explosion: No special fire protection measures are necessary.
Advice on general occupational hygiene: Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Caution! Hot molten mass. Avoid: Skin contact

7.2 Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels: Keep container tightly closed. No special measures are necessary.
Hints on joint storage: No special measures are necessary.

7.3 Specific end use(s): Health services.

SECTION 8: Exposure controls / Personal protection

8.1 Control parameters

8.2 Exposure controls
Individual protection measures, such as personal protective equipment

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Eye/face protection:	Wear eye/face protection.
Hand protection:	When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
Skin protection:	Use of protective clothing.
Respiratory protection:	In case of inadequate ventilation wear respiratory protection.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	solid, wax.
Colour:	greenish blue
Odour:	odourless
Changes in the physical state	
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Flash point:	(DIN 51584) > 250 °C
Flammability	
Solid/liquid:	not determined
Gas:	not applicable
Explosive properties:	The product is not: Explosive.
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value:	not determined
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.
Solubility in other solvents:	not determined
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	0,96 g/cm ³
Relative vapour density:	not determined

9.2 Other information

Information with regard to physical hazard classes

Oxidizing properties:	The product is not: oxidising.
Other safety characteristics	
Solid content:	not determined
Evaporation rate:	not determined

Further Information

drop point / drop range: approx.:	72°C
Solidification point:	approx. 62°C
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SECTION 10: Stability and Reactivity

10.1 Reactivity:	No hazardous reaction when handled and stored according to provisions.
10.2 Chemical stability:	No risks worthy of mention.
10.3 Possibility of hazardous reactions:	No known hazardous reactions.
10.4 Conditions to avoid:	none
10.5 Incompatible materials:	No information available.
10.6 Hazardous decomposition products:	No known hazardous decomposition products.

Section 11: Toxicological Information

11.1 Information on hazard classes as defined in GB CLP Regulation

Acute toxicity:	Based on available data, the classification criteria are not met.
Irritation and corrosivity:	Based on available data, the classification criteria are not met.
Sensitising effects:	Based on available data, the classification criteria are not met.
Carcinogenic/mutagenic/toxic effects for reproduction:	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.
Further information:	The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]. Toxicological data are not available.

SECTION 12: Ecological Information

12.1 Toxicity	The product is not: Ecotoxic.
12.2 Persistence and degradability:	The product has not been tested.
12.3 Bioaccumulative potential:	The product has not been tested.
12.4 Mobility in soil:	The product has not been tested.
12.5 Results of PBT and vPvB assessment:	The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH. The product has not been tested.

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- 12.6 Endocrine disrupting properties:** This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.
- 12.7 Other adverse effects** No further relevant information available.
- Further information:** Avoid release to the environment. Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants.

SECTION 13: Disposal Considerations

- 13.1 Waste treatment methods:**
- Disposal recommendations:** Dispose of waste according to applicable legislation. May be disposed of in household waste landfill.
- List of Wastes Code - used product**
- 200301 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; other municipal wastes; mixed municipal waste
- Contaminated packaging:** Wash with plenty of water. Completely emptied packages can be recycled. Non-contaminated packages may be recycled.

SECTION 14: Transport Information

- Land transport (ADR/RID)**
- 14.1 **UN-Number:** No dangerous good in sense of this transport regulation.
- 14.2 **UN proper shipping name:** No dangerous good in sense of this transport regulation.
- 14.3 **Transport hazard class(es):** No dangerous good in sense of this transport regulation.
- 14.4 **Packing group:** No dangerous good in sense of this transport regulation.
- Inland waterways transport (ADN)**
- 14.1 **UN-Number:** No dangerous good in sense of this transport regulation.
- 14.2 **UN proper shipping name:** No dangerous good in sense of this transport regulation.
- 14.3 **Transport hazard class(es):** No dangerous good in sense of this transport regulation.
- 14.4 **Packing group:** No dangerous good in sense of this transport regulation.
- Marine transport (IMDG)**
- 14.1 **UN-Number:** No dangerous good in sense of this transport regulation.
- 14.2 **UN proper shipping name:** No dangerous good in sense of this transport regulation.
- 14.3 **Transport hazard class(es):** No dangerous good in sense of this transport regulation.
- 14.4 **Packing group:** No dangerous good in sense of this transport regulation.
- Air transport (ICAO-TI/IATA-DGR)**
- 14.1 **UN-Number:** No dangerous good in sense of this transport regulation.
- 14.2 **UN proper shipping name:** No dangerous good in sense of this transport regulation.
- 14.3 **Transport hazard class(es):** No dangerous good in sense of this transport regulation.
- 14.4 **Packing group:** No dangerous good in sense of this transport regulation.
- 14.6 **Special precautions for user:** No dangerous good in sense of this transport regulation.
- 14.7 **Maritime transport in bulk according to IMO instruments:** No dangerous good in sense of this transport regulation.
- Other applicable information:** Not a hazardous material with respect to transportation regulations.

according to UK REACH Regulation
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SECTION 15: Regulatory Information

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

EU regulatory information

Information according to 2012/18/EU
(SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

Additional information:

For this product, a hazard label is not required according to section 1.3.4 of Annex I of the CLP regulation.

National regulatory information:

Water hazard class (D):

- - non-hazardous to water

15.2 Chemical safety assessment:

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Further Information

Abbreviations and acronyms

CLP:	Classification, labelling and Packaging
REACH:	Registration, Evaluation and Authorization of Chemicals
GHS:	Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN:	United Nations
CAS:	Chemical Abstracts Service
DNEL:	Derived No Effect Level
DMEL:	Derived Minimal Effect Level
PNEC:	Predicted No Effect Concentration
ATE:	Acute toxicity estimate
LC50:	Lethal concentration, 50%
LD50:	Lethal dose, 50%
LL50:	Lethal loading, 50%
EL50:	Effect loading, 50%
EC50:	Effective Concentration 50%
ErC50:	Effective Concentration 50%, growth rate
NOEC:	No Observed Effect Concentration
BCF:	Bio-concentration factor
PBT:	persistent, bioaccumulative, toxic
vPvB:	very persistent, very bioaccumulative
ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:	Regulations concerning the international carriage of dangerous goods by rail
ADN:	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
IMDG:	International Maritime Code for Dangerous Goods
EmS:	Emergency Schedules
MFAG:	Medical First Aid Guide
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
MARPOL:	International Convention for the Prevention of Marine Pollution from Ships
IBC:	Intermediate Bulk Container
SVHC:	Substance of Very High Concern

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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Further Information:

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)