

Safety data sheet
according to 1907/2006/EC, Article 31
with its amendment Regulation (EU) 2020/878

Printing date 10.05.2023

Version number 1

Revision: 10.05.2023

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

· **1.1 Product identifier**

· **Trade name:** Modelling wax / Sheet wax SUMMER / WINTER / Top Techno / Extrahart Super / Standard / Futur / EURO / Super Hart Pink

· **Additional information:**

Order No. DM 000 106 VA 804 Sommer 175 x 80 x 1.25 mm gross 500 g
Order No. DM 000 108 VA 804 Summer 175 x 80 x 1,50 mm gross 500 g
Order-No. DM 000 102 VA 804 Summer 175 x 80 x 1,25 mm gross 2,5 kg
Order-No. DM 000 104 VA 804 Summer 175 x 80 x 1,50 mm gross 2,5 kg
Order-No. DM 000 107 VA 804 Winter 175 x 80 x 1.25 mm gross 500 g
Order-No. DM 000 109 VA 804 Winter 175 x 80 x 1,50 mm gross 500 g
Order-No. DM 000 103 VA 804 Winter 175 x 80 x 1.25 mm gross 2.5 kg
Order-No. DM 000 105 VA 804 Winter 175 x 80 x 1,50 mm gross 2,5 kg
Order-No. DM 000 129 VA 804 175 x 80 x 1,25 mm gross 500 g
Order-No. DM 000 130 VA 804 175 x 80 x 1,25 mm gross 2,5 kg
Order-No. DM 000 123 VA 804 175 x 80 x 1.25 mm gross 500 g
Order-No. DM 000 124 VA 804 175 x 80 x 1,25 mm gross 2,5 kg
Order-No. DM 000 133 VA 804 175 x 80 x 1.25 mm gross approx. 500 g
Order No. DM 000 134 VA 804 175 x 80 x 1.25 mm gross approx. 2.5 kg
Order-No. DM 000 135 VA 804 175 x 80 x 2.00 mm gross approx. 500 g
Order No. DM 000 136 VA 804 175 x 80 x 2.00 mm gross approx. 2.5 kg

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

· **Application of the substance / the mixture**

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**

· **Manufacturer/Supplier:**

Morsa Wachswarenfabrik Sallinger GmbH

Nordstrasse 3

86381 Krumbach

Germany

Tel.: +49 (0) 8282 / 800 44 - 0

Fax: +49 (0) 8282 / 800 44 - 33

E-Mail: info@morsa.de

Website: www.morsa-dental.de

· **Further information obtainable from:** Tel.: +49 8282 / 800 44 - 0, info@morsa.de

· **1.4 Emergency telephone number:**

+49 8282 800 44 0 (Mon. - Thurs.: 8:00-17:00 / Fri.: 8:00-12:30, in German and English)

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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
- **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.
- **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.

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- **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:** Sand (dry), foam, fire-extinguishing powder
- **For safety reasons unsuitable extinguishing agents:** 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.
- **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.

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- **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.

- **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/face 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**

- **General Information**

- **Physical state**

Solid

- **Colour:**

Pink to pink, gum-coloured

- **Odour:**

Weak, typical

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· 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:	Not determined.
· Upper:	Not determined.
· Flash point:	>210 °C (DIN 51376)
· Decomposition temperature:	Not determined.
· pH	Not applicable.
· Viscosity:	
· Kinematic viscosity	Not applicable.
· Dynamic:	Not applicable.
· 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
· 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

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- 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.
- **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 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.
- **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.

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- **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 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
- **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 user** Not applicable.
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

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- 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.

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

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

IE