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## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:  
**SET-UP WAX / MODELLING WAX / BASEPLATE WAX**

9001520	Special Modelling wax Summer	Strength 1,25 mm	Package 2,5 kg
9001500	Special Modelling wax Summer	Strength 1,25 mm	Package 500 g
9001499	Special Modelling wax Summer	Strength 1,5 mm	Package 2,5 kg
9001521	Special Modelling wax Summer	Strength 1,5 mm	Package 500 g
9001508	Modelling wax Standard Medium	Strength 1,25 mm	Package 2,5 kg
9001509	Modelling wax Standard Medium	Strength 1,25 mm	Package 500 g
9001514	Modelling wax Standard Medium	Strength 1,5 mm	Package 2,5 kg
9001515	Modelling wax Standard Medium	Strength 1,5 mm	Package 500 g
9001510	Modelling wax Standard Summer	Strength 1,25 mm	Package 2,5 kg
9001511	Modelling wax Standard Summer	Strength 1,25 mm	Package 500 g
9001516	Modelling wax Standard Summer	Strength 1,5 mm	Package 2,5 kg
9001517	Modelling wax Standard Summer	Strength 1,5 mm	Package 500 g
9001512	Modelling wax Standard Winter	Strength 1,25 mm	Package 2,5 kg
9001513	Modelling wax Standard Winter	Strength 1,25 mm	Package 500 g
9001518	Modelling wax Standard Winter	Strength 1,5 mm	Package 2,5 kg
9001519	Modelling wax Standard Winter	Strength 1,5 mm	Package 500 g
9002515	Modelling wax Universal		Package 2,5 kg
9002516	Modelling wax Universal		Package 500 g

1.2. Relevant identified uses of the substance or mixture and uses advised against:  
Set-up wax / modelling wax / base plate wax for professional dental use.

1.3. Details of the supplier of the safety data sheet:

**MORSA WACHSWARENFABRIK SALLINGER GMBH**

Nordstrasse 3,  
86381 Krumbach, Germany  
Tel.: 08282 / 800 44 - 0  
Fax: 08282 / 800 44 - 33  
[www.morsa-dental.de](http://www.morsa-dental.de)  
[info@morsa.de](mailto:info@morsa.de)

1.3.1. Responsible person: J. Gruber  
E-Mail: [info@morsa.de](mailto:info@morsa.de)

1.4. Emergency telephone number: National Poisons Information Service: 844 892 0111

**MORSA WACHSWARENFABRIK SALLINGER GMBH** 1 / 7. **SET-UP WAX / MODELLING WAX / BASEPLATE WAX**

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## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification according to Regulation 1999/45/EC:

**Not considered as hazardous mixture.**

**R phrases: -**

**S phrases: -**

### 2.2. Label elements

**Hazardous substance content:**

**No labeling required.**

**R phrases: -**

**S phrases: -**

### 2.3. Other hazards

PBT: not applicable.

vPvB: not applicable.

Fire and explosion hazard (general information): Low risk. Product can form flammable mixtures or can burn if it is heated to temperatures above the flash point.

Hazard for humans: According to the current Directive and national regulations on the classification criteria, the product is not classified as hazardous. Observing the general labour protection and labour safety regulations, the product poses no danger to human life or health. Paraffin oil vapours can cause irritation of eyes, skin and the upper respiratory tract. Contact with the molten / hot substance causes eye and skin burns.

Hazard for the environment: none known.

Other hazards: none known.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substance:

Not applicable

### 3.2. Mixture:

Chemical characterization: Mixture of hydrocarbons and paraffin waxes.

Designation	CAS number:	EU number:	REACH reg. nr.:	Conc. (%)	Classification				
					67/548/EEC		CLP		
					Haz. symb.	R phrase	Hazard pict.	Hazard cat.	H phrase
<b>Paraffin waxes and Hydrocarbon waxes*</b>	8002-74-2	232-315-6	-	conf.	-	-	-	-	-

\* Substance classified by the manufacturer or substance which has no obligatory classification according to the EU regulations.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures:

#### IN CASE OF INGESTION:

Measures:

- Immediately rinse mouth.
- Normally no further action is required.

IN CASE OF INHALATION:

Measures:

- Uncharacteristic way of exposure.

IN CASE OF SKIN CONTACT:

Measures:

- Wash with water and soap.
- Generally no first aid is required.
- In case of contact with hot product, immediately immerse in cold water and cool with plenty of water.
- Cover the injured parts with clean bandages and provide medical treatment.
- Do not attempt to remove the substance or the clothing stuck to the skin as the damaged body tissue it can be easily destroyed.

IN CASE OF EYE CONTACT:

Measures:

- Remove, as in case of solid substances.

4.2. Most important symptoms and effects, both acute and delayed:

Solid material: Skin contact: long term or repeated exposure can cause irritation, redness and dermatitis.

Eye contact: may cause irritation and redness.

Ingestion: may cause abdominal pain, nausea and vomiting. Liquid: Skin contact: may cause redness and burns.

Eye contact: may cause burns. Inhalation: Vapours may cause respiratory tract irritation, cough, dizziness and headache.

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

No data available.

**SECTION 5: FIREFIGHTING MEASURES**

5.1. Extinguishing media:

5.1.1. Suitable extinguishing media:

Sand (dry), foam, dry extinguishing media, carbon dioxide.

5.1.2. Unsuitable extinguishing media:

Water.

5.2. Special hazards arising from the substance or mixture:

No special information.

5.3. Advice for firefighters:

Respiratory protection and personal protective equipment are required for firefighters.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

6.1. Personal precautions, protective equipment and emergency procedures:

6.1.1. For non-emergency personnel:

Prevent access by unauthorized persons. Only trained personnel wearing appropriate protective equipment that knows the necessary precautions well may stay at the accident scene.

6.1.2. For emergency responders:

Risk of slipping due to leakage of the product.

Caution when walking on spilled or leaked material.

No smoking, do not use open flame.

General health and safety regulations have to be observed.

Avoid contact with skin and eyes.

Use personal protective equipment according to section 8 of SDS.

6.2. Environmental precautions:

Do not enter into drains, surface and ground water.

In case of release of a larger amount of product appropriate measures should be taken to prevent dispersal to the environment.

Do not allow the liquid material to enter sewage drains because it can cause clog after solidification. Inform the competent emergency services.

6.3. Methods and material for containment and cleaning up:

Let the hot material cool.

Collect the chilled product mechanically and into suitable containers for disposal.

Dispose the collected material in accordance with official regulations.

Solid material: collect mechanically. Dispose the collected material according to Section 13.

Clean contaminated site.

Liquid: allow the spilled wax to cool and solidify. Subsequently collect mechanically.

Dispose the collected material according to Section 13.

6.4. Reference to other sections:

For further and detailed information see section 8 and 13.

**SECTION 7: HANDLING AND STORAGE**

7.1. Precautions for safe handling:

Observe conventional hygiene precautions.

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Technical measures:

In case of intended use, no special measures are required.

Ensure adequate ventilation/exhaust in the workplace.

Store in well sealed container in cool and dry place.

Avoid skin contact with hot material, remove ignition sources.

Precautions against fire and explosion:

No specific prescription.

7.2. Conditions for safe storage, including any incompatibilities:

Technical measures and storage condition:

Protect packages from UV radiation.

Protect from heat and direct sunlight.

Keep and transport in cool and dry place, if possible in flat lying position.

Incompatible materials: Strong oxidizing agents, fluorine.

Packaging material: no specific prescription.

7.3. Specific end use(s):

No specific instructions available.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

8.1. Control parameters:

Exposure limit values: -

DNEL		Routes of exposure	Exposure frequency:	Remarks:
Worker	Consumer			
		dermal	short term (acute) long term (repeated)	
		inhalative	short term (acute) long term (repeated)	
		oral	short term (acute) long term (repeated)	

PNEC			Exposure frequency:	Remarks:
Water	Soil	Air		
			short term (single use) long term (continuous)	
			short term (single use) long term (continuous)	
			short term (single use) long term (repeated)	

8.2. Exposure controls:

In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

8.2.1 Appropriate engineering controls

Provide adequate ventilation.

8.2.2 Individual protection measures, such as personal protective equipment:

1. Eye/face protection: while working with hot wax, use safety glasses.

2. Skin protection:

a. Hand protection: while working with hot wax, wear protective gloves.

b. Other: while working with hot wax, wear adequate protective clothes.

3. Respiratory protection: avoid inhalation of vapour of hot wax.

4. Thermal hazard: None known.

8.2.3 Environmental exposure controls:

No specific prescription.

**The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions an expert's advice should be sought out before deciding upon further protective measures.**

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES:**

9.1. Information on basic physical and chemical properties:

Parameter

**Appearance:**

rose - pink, gum  
colours, solid

Test method:

Remarks:

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BASEPLATE WAX**

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2. <b>Odour:</b>	weak, characteristic smell	
3. Odour threshold:	no data available	
4. pH value:	no data available	
5. Melting point/ freezing point:	no data available	
6. Initial boiling point/boiling range:	no data available	
7. Flash point:	> 210°C	DIN 51376
8. Evaporation rate:	no data available	
9. Flammability:	no data available	
10. Upper/lower flammability or explosive limits:	no data available	
11. Vapour pressure:	no data available	
12. Relative density:	No data available.	
13. Solubility(ies):	Insoluble in water.	
14. Partition coefficient: n-octanol/water:	no data available	
15. Self-ignition temperature:	no data available	
16. Degradation temperature:	no data available	
17. Viscosity:	no data available	
18. Explosive properties:	no data available	
19. Oxidizing properties:	no data available	
9.2. <u>Other information:</u>		
Drop point depending on type: 54 – 69°C (DIN – ISO 2207 / VDG XI 8100)		

## SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity  
None known.
- 10.2. Chemical stability  
No other information available.
- 10.3. Possibility of hazardous reactions:  
None in case of intended use.
- 10.4. Conditions to avoid:  
Protect packages from UV radiation.  
Protect from heat and direct sunlight.  
Avoid skin contact with hot material, remove ignition sources.
- 10.5. Incompatible materials:  
Strong oxidizing agents, fluorine.
- 10.6. Hazardous decomposition products:  
In case of heating above 120°C, thermal decomposition products may form (Crack gas).

## SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1. Information on toxicological effects  
Acute toxicity: none known.  
Irritation: none known.  
Corrosivity: none known.  
Sensitisation: none known.  
Repeated dose toxicity: none known.  
Carcinogenicity: none known.  
Mutagenicity: none known.  
Reproductive toxicity: none known.
- 11.1.1. For substances subject to registration, brief summaries of the information derived from the test conducted:  
None known.
- 11.1.2. Relevant toxicological properties of the hazardous substances:  
LD<sub>50</sub> (oral, rat): >15.000 mg/kg (literature data)
- 11.1.3. Information on likely routes of exposure:  
Ingestion, inhalation, skin and eye contact.
- 11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:  
Solid material: Skin contact: long term or repeated exposure can cause irritation, redness and dermatitis.  
Eye contact: may cause irritation and redness.  
Ingestion: may cause abdominal pain, nausea and vomiting. Liquid: Skin contact: may cause redness and burns.  
Eye contact: may cause burns. Inhalation: Vapours may cause respiratory tract irritation, cough, dizziness and headache.
- 11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:  
No data available.
- 11.1.6. Interactive effects:  
No data available.
- 11.1.7. Absence of specific data:

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No data available

- 11.1.8. Other information:  
None known.

## SECTION 12: ECOLOGICAL INFORMATION

- 12.1. Toxicity:  
The product is not tested. The ecological classification of the product was based on the results of the calculation procedure of the preparation directive.  
In case of appropriate introduction into adapted biological purification plants no disturbances are expected. Product can be substantially separated mechanically.  
Elimination is performed by predominant absorption in sludge.  
Do not discharge product into the environment in uncontrolled way.
- 12.2. Persistence and degradability  
The product is slowly biodegradable.
- 12.3. Bioaccumulation potential:  
Not determined.
- 12.4. Mobility in soil  
The product can not be dissolved in water. At getting into the water, the product is subject to various changes, collected partially on the water surface.
- 12.5. Results of PBT and vPvB assessment  
PBT: not applicable.  
vPvB: not applicable.
- 12.6. Other adverse effects:  
In case of larger amount of oil getting into the water, it can cause hazards to aquatic organisms.  
Do not enter into ground/surface water or into sewers.

## SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1. Waste treatment methods:  
Disposal according to the local regulations.
- 13.1.1. Information regarding the disposal of the product:  
Product can be disposed in compliance with current regulations and, if appropriate, can be landfilled or incinerated after consultation with the competent authority.  
During the disposal of the product, its residue and its packaging the national and local prescriptions should be observed. The EWC codes indicated below are only recommendations, but they may have to be changed due to special circumstances, in such cases new classification may be needed.
- 13.1.2. Information regarding the disposal of the packaging:  
Disposal according to the official regulations. Completely empty packaging before recycling.
- 13.1.3. Physical/chemical properties that may affect waste treatment options shall be specified:  
None known.
- 13.1.4. Sewage disposal:  
None known.
- 13.1.5. Special precautions for any recommended waste treatment:  
No data available.

## SECTION 14: TRANSPORT INFORMATION

**Not dangerous good in sense of the transport regulations!**

- 14.1. UN Number:  
n.d.
- 14.2. UN proper shipping name:  
n.d.
- 14.3. Transport hazard class(es):  
n.d.
- 14.4. Packaging group  
n.d.
- 14.5. Environmental hazard  
n.d.
- 14.6. Special precautions for user  
n.d.
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
n.d.

## SECTION 15: REGULATORY INFORMATION

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

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REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

COMMISSION REGULATION (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

DIRECTIVE 1999/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

#### **SECTION 16: OTHER INFORMATION**

Information regarding the revision of the safety data sheet: -

Full text of the abbreviations in the safety data sheet:

DNEL: Derived No Effect Level. PNEC: Predicted No Effect Concentration. CMR effects: Carcinogenicity, Mutagenicity and reproduction toxicity. PBT: Persistent, bioaccumulative and toxic. n.d.: not defined. n.a.: not applicable.

Data sources: -

Relevant R-Phrases (number and full text) of Section 2 and 3: -

Relevant H-Phrases (number and full text) of Section 2 and 3: -

Recommended restrictions on use (non-statutory recommendations by supplier): -

Before using the product, the respective user has to be trained in connection with labor protection and labor safety requirements for handling chemicals.

Recommended restrictions on use (non-statutory recommendations by supplier): -

This safety data sheet had been prepared on the basis of information provided by the manufacturer. The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information. The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required. Since the conditions or the handling, the storage and the disposal of this product are beyond the control of the manufacturer, the distributor or the preparer of this SDS, no warranty, expressed or implied, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. No responsibility is assumed regarding the accuracy, completeness or suitability of all or any of the information contained herein or the results to be obtained from the use thereof at the time of use. In no way shall the manufacturer, the distributor or the preparer of the be liable for any claims, losses or damages of third parties, personal injury, property damage, lost profits or any special, direct, indirect, incidental, consequential or exemplary damages resulting from the use of or reliance upon such information. Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product. It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.