

SAFETY DATA SHEETS

This SDS packet was issued with item:

071311794

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

071311406 071311810 071311828 071311836 071312792 071312800 071312859 273011903 273016789

Safety Data

Trade name: **Modeling and Casting Wax**

1.1 Chemical characterization: Paraffin, micro waxes, natural, anilin colors

1.2 Form 1.3 solid Color: 1.4 Smell:

2. Physical and Safety Data Checked according to:

2.1 Change of condition

2.2 Density Bulk density

2.3 Vapor pressure

2.4 Viscosity

2.5 Solubility in water

2.6 pH Value (at

2.7 Flash point

2.8 Ignition Temperature

2.9 Explosion limits lower: upper:

2.10 Thermal decomposition

2.11 Hazardous decomposition

2.12 Hazardous reactions

2.13 Further data Melting Temperature : 45-60° c

3. Transport GGVSee/IMDG Code: UN-Nr: ICAO/IATA-DGR:
GGVE/GGVS: RID/ADR: ADNR:
Other data:

4. Regulations:

modeling and casting wax			
5. Protective measures, storage and handling			
5.1	Technical protective measures N/A		
5.2	Personal protective equipment	Inhalation protection: Hand protection:	Eye protection: Others:
5.3	Occupational hygiene		
5.4	Fire/explosion protection		
5.5	Disposal	To be disposed with domestic waste	
6. Measures in case of accident and fire			
6.1	After spillage/leakage/gas leakage		
6.2	Extinguishing media	Suitable:	
		not suitable	
6.3	First aid	N/A	
6.4	Further data	N/A	
7. Toxicological data			
8. Ecological Data			
9. Further Information			

The above describes our product with reference to possible safety requirements in accordance with our present level of knowledge. They do not include any property guarantees.

Trade name: Modelling wax for partial denture technique (REF 40036)

Current version : 2.0.4, issued: 19.10.2015

Replaced version: 2.0.3, issued: 11.02.2015

Region: GB

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

1.1 Product identifier

Trade name

Modelling wax for partial denture technique (REF 40036)

Preparation wax (REF 40036 – 40038)

Smooth casting wax (REF 40091 – 40096)

Stippled casting wax (REF 40160, 40170, 40180, 40190, 40192 – 40195, 40210, 40220, 40230, 40240)

Wax border and wax edge strips (REF 40025, 40027, 40028)

Wax retentions (REF 40040, 40050, 40620, 40630, 40051, 40052)

Wax patterns (REF 40021 – 40024)

Wax patterns ring clasp profile (REF 40029)

Wax clasp profiles (REF 40020)

Wax grid retentions (REF 40060, 40061, 40062, 40066, 40039)

Rapid wax system (REF 40654 – 40656, 40560 – 40653, 40657)

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

Relevant identified uses of the substance or mixture

Manufacturing of dental prosthesis in a dental laboratory

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

BEGO Bremer Goldschlägerei
Wilh. Herbst GmbH & Co. KG
Wilhelm-Herbst-Str. 1
28359 Bremen

Telephone no. +49/ 421/ 2028 – 0
Fax no. +49/ 421/ 2028 – 115
e-mail msds@bego.com

Information provided by / telephone

Research & Development Department - Materials, alloys and ceramics; +49/ 421/ 2028 – 130 (Chief Development Officer alloys)

Advice on Safety Data Sheet

msds@bego.com

1.4 Emergency telephone number

For medical advice (in German and English):
+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification information

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).
This product does not meet the classification and labelling criteria given in the Dangerous Preparations Directive (1999/45/EC; DPD)

Trade name: Modelling wax for partial denture technique (REF 40036)**Current version :** 2.0.4, issued: 19.10.2015**Replaced version:** 2.0.3, issued: 11.02.2015**Region:** GB**2.2 Label elements**

Not relevant

2.3 Other hazardsPBT assessment
No data available.vPvB assessment
No data available.**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Hazardous ingredients**

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration
			%
1	Paraffin waxes and Hydrocarbon waxes		
	8002-74-2 232-315-6 - -	-	> 10.00 - < 30.00 % -b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Inhalation of product is unlikely. No special measures necessary.

After skin contact

In case of contact with skin wash off with water.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice.

After ingestion

Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Let plenty of water be drunk in small gulps. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Carbon dioxide; Extinguishing powder; Water spray jet; Foam

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide and carbon dioxide

Trade name: Modelling wax for partial denture technique (REF 40036)

Current version : 2.0.4, issued: 19.10.2015

Replaced version: 2.0.3, issued: 11.02.2015

Region: GB

5.3 Advice for firefighters

Use self-contained breathing apparatus. Product itself does not burn. Adapt extinguisher and fire-fighting measures to fire in the environment. Wear protective clothing.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up mechanically. When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advice on safe handling**

No special measures necessary.

General protective and hygiene measures

Wash hands before breaks and after work. Do not eat, drink or smoke during work time. Remove soiled or soaked clothing immediately. Keep away from foodstuffs and beverages.

Advice on protection against fire and explosion

No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Keep only in the original container.

Advice on storage assembly

Do not store together with: explosive substances; strong oxidizing agents

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	Paraffin waxes and Hydrocarbon waxes	8002-74-2	232-315-6
	List of approved workplace exposure limits (WELs) / EH40		
	Paraffin wax		
	fume		
	STEL	6	mg/m ³
	TWA	2	mg/m ³

Trade name: Modelling wax for partial denture technique (REF 40036)

Current version : 2.0.4, issued: 19.10.2015

Replaced version: 2.0.3, issued: 11.02.2015

Region: GB

8.2 Exposure controls**Appropriate engineering controls**

No data available.

Personal protective equipment**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form/Colour			
solid			
red; green; yellow			
Odour			
odourless			
Odour threshold			
No data available			
pH value			
No data available			
Boiling point / boiling range			
No data available			
Melting point / melting range			
No data available			
Decomposition point / decomposition range			
No data available			
Flash point			
Value	>	210	°C
Method	DIN 51376		

Trade name: Modelling wax for partial denture technique (REF 40036)

Current version : 2.0.4, issued: 19.10.2015

Replaced version: 2.0.3, issued: 11.02.2015

Region: GB

Auto-ignition temperature			
No data available			
Oxidising properties			
No data available			
Explosive properties			
No data available			
Flammability (solid, gas)			
No data available			
Lower flammability or explosive limits			
No data available			
Upper flammability or explosive limits			
No data available			
Vapour pressure			
No data available			
Vapour density			
No data available			
Evaporation rate			
No data available			
Relative density			
No data available			
Density			
No data available			
Bulk density			
Value	appr.	0.9	g/cm³
Method	DIN 53466		
Solubility in water			
Reference temperature	20	°C	
Remarks	insoluble		
Solubility(ies)			
No data available			
Partition coefficient: n-octanol/water			
No data available			
Viscosity			
Value	>	100	mPa*s
Reference temperature		120	°C
Type	dynamic		
Method	DIN 53019		

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

None, if handled according to order.

Trade name: Modelling wax for partial denture technique (REF 40036)**Current version :** 2.0.4, issued: 19.10.2015**Replaced version:** 2.0.3, issued: 11.02.2015**Region:** GB**10.4 Conditions to avoid**

None, if handled according to intended use.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute oral toxicity**

No data available

Acute dermal toxicity

No data available

Acute inhalational toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Reproduction toxicity

No data available

Carcinogenicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

No data available

Trade name: Modelling wax for partial denture technique (REF 40036)

Current version : 2.0.4, issued: 19.10.2015

Replaced version: 2.0.3, issued: 11.02.2015

Region: GB

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish (acute)
No data available
Toxicity to fish (chronic)
No data available
Toxicity to Daphnia (acute)
No data available
Toxicity to Daphnia (chronic)
No data available
Toxicity to algae (acute)
No data available
Toxicity to algae (chronic)
No data available
Bacteria toxicity
No data available

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	No data available.
vPvB assessment	No data available.

12.6 Other adverse effects

No data available.

12.7 Other information

Other information
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

Trade name: Modelling wax for partial denture technique (REF 40036)**Current version :** 2.0.4, issued: 19.10.2015**Replaced version:** 2.0.3, issued: 11.02.2015**Region:** GB**SECTION 14: Transport information****14.1 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment

No data available.

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Department issuing safety data sheet

UMCO Umwelt Consult GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 183, Tel.: +49(40)79 02 36 300, Fax: +49(40)79 02 36 357, e-mail: umco@umco.de

Trade name: Modelling wax for partial denture technique (REF 40036)

Current version : 2.0.4, issued: 19.10.2015

Replaced version: 2.0.3, issued: 11.02.2015

Region: GB

This information is based on our present state of knowledge and experience.
The security data sheet describes products with a view to the security requirements.
However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO Umwelt Consult GmbH.