# **SAFETY DATA SHEETS**

# This SDS packet was issued with item:

071311802

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

070910018 070910067 071312909

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

070911743

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Trade name: Wax wires/Wax profiles

Current version : 2.0.0, issued: 28.01.2014

Replaced version: 1.0.0, issued: 08.05.2012

Region: GB

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

1.1 Product identifier

Trade name

Wax wires/Wax profiles

Wax wire for sprues (REF: 40085 - 40089)

Wax profiles (REF: 40261 - 40263, 40281, 40301, 40381, 40421 - 40422, 40441, 40461 - 40462)

Wax profiles assortment (REF: 40250)

# Wax bar profile (REF: 40026, 40075)

# 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

# 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

 Email
 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/ 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)

## 2.2 Label elements

Not relevant

## 2.3 Other hazards

Contact with molten material may cause thermal burns.

PBT assessment No data available.

vPvB assessment No data available.

# EC safety data sheet

## Trade name: Wax wires/Wax profiles

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**SECTION 3: Composition/information on ingredients** 

#### 3.1 Substances

Not applicable. The product is not a substance.

#### 3.2 Mixtures

#### **Hazardous ingredients**

This product does not contain substances to be mentioned according to EU Regulation No 1907/2006 (REACH), annex II.

# **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

Released vapours may irritate the respiratory tract. Ensure supply of fresh air.

#### After skin contact

After contact with molten product, cool quickly with cold water. Do not pull solidified product from skin.

#### 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

Do not induce vomiting. 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

Alcohol-resistant foam; Water spray jet; Carbon dioxide; Extinguishing powder

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

#### 5.3 Advice for firefighters

Use self-contained breathing apparatus. 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

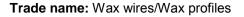
Ensure adequate ventilation. Risk of burns while handling the molten material. Refer to protective measures listed in sections 7 and 8.

#### For emergency responders

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

#### 6.2 Environmental precautions

Collect contaminated water / firefighting water separately. Do not discharge into the drains/surface waters/groundwater.



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**Methods and material for containment and cleaning up** Take up mechanically. Embank hot liquid after spillage and let it cool down. Take up residues mechanically after solidification. When picked up, treat material as prescribed under heading "Disposal considerations".

# 6.4 Reference to other sections

No data available.

6.3

# **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

#### Advice on safe handling

May splash in contact with water when hot. Risk of burns when handling hot liquid product. Provide good ventilation of working area (local exhaust ventilation, if 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

Keep away from sources of heat and ignition. Take precautionary measures against static charges.

#### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Keep container tightly closed and dry 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: strong oxidizing agents; explosive substances

## 7.3 Specific end use(s)

No data available.

# SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

No parameters available for monitoring.

## 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, aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

#### Eye / face protection

Safety glasses (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.

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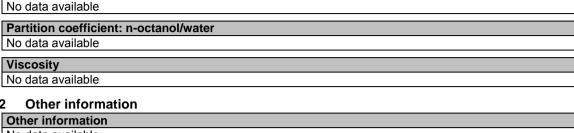
3EGO

# **SECTION 9: Physical and chemical properties**

# 9.1 Information on basic physical and chemical properties

Form/Colour					
solid					
green					
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					
Setting point / solidification range					
Value		50		100	°C
Decomposition point / decomposition range					
No data available					
Flash point					
Value	>			180	D°
Ignition temperature					
Value	>			250	°C
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	1	0.0		1.0	3
Value		0.9	- '	1.0	g/cm³
Solubility in water					
Remarks	insolu	ble			

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Other information No data available.

Solubility(ies) No data available

No data available

Viscosity No data available

9.2

# **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

Dangerous reactions are not expecting handling the product 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 At higher temperature formation of vapours possible.
- 10.4 Conditions to avoid None, if handled according to order.
- 10.5 Incompatible materials Oxidizing agents
- 10.6 Hazardous decomposition products No hazardous decomposition products known.



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and the information provided to us.

SECT

Obtained by Global Safety Management, www.globalsafetynet.com, (877) 683-7460

ΓΙΟΝ 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
Delayed and immediate effects as well as chronic effects from short and long-term exposure
When used and handled according to specifications, the product does not have any harmful effects to our experience

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Region: GB

Current version : 2.0.0, issued: 28.01.2014

Obtained by Global Safety Management, www.globalsafetynet.com, (877) 683-7460

Replaced version: 1.0.0. issued: 08.05.2012

**SECTION 12: Ecological information** 

## 12.1 Toxicity

Toxicit	y 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.



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## **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 73/78 and the IBC Code Not relevant

# **SECTION 15: Regulatory information**

# 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU regulations</u>

#### Restriction of occupation

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

 Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

 Remarks
 Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

## **15.2 Chemical safety assessment**

No data available.

# **SECTION 16: Other information**

# Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 1999/45/EC as amended in each case.

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

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.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.