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

1.1. Product identifier
Metaform, Metawax

Product group: Modelling wax for dental technology

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

Use of the substance/mixture
For the preparation of dental pattern.

1.3. Details of the supplier of the safety data sheet

Company name: Primotec – Joachim Mosch e.K.
D-61348 Bad Homburg, Germany
Street: Tannenwaldallee 4
Place: D-61348 Bad Homburg
Telephone: +49-6172/99770-0
Teledx: +49-6172/99770-99
E-mail: primotec@primogroup.de
Internet: www.primogroup.de

1.4. Emergency telephone number: +49-6172/99770-0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008
GHS classification cannot be determined due to no data for the product.
As of now, all items for Physical Hazard, Health Hazard, and Environmental Hazard are either "Not classified", "Classification not possible" or "Out of category".

2.2. Label elements

Regulation (EC) No. 1272/2008
Signal word: None

Pictograms: None

Hazard statements
Harmful in contact with skin.

Precautionary statements
Prevention: No Data
Response: No Data
Storage: No Data
Disposal: No Data

2.3. Other hazards
No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization
Mixture of Polyurethane acrylate, UV curable resin
SECTION 4: First aid measures

4.1. Description of first aid measures

General information
Polymerized material is non-hazardous.

After inhalation
Ensure supply of fresh air and take a rest. When necessary, artificial respiration, contact medical institution.

After contact with skin
Remove contaminated clothing. Wash off and clean skin with soap and water. When there are skin alterations or pain persists, contact medical institution.

After contact with eyes
Rinse with plenty of water for at minimum 15 minutes (when possible without contact lens) and seek medical attention.

After ingestion

4.2. Most important symptoms and effects, both acute and delayed
No information available.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Extinguishing powder, foam, water spray, carbon dioxide.

5.2. Special hazards arising from the substance or mixture
Irritant, corrosive or toxic gases may arise by fire.

5.3. Advice for firefighters
Firefighters must wear appropriate respiratory protection and chemical protective clothing.

Additional information
Cut off the combustion source, and use the fire extinguishing media to extinguish.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Provide Do not touch released materials, or walk nearby. Immediately isolate the area as leakage area, keeping the appropriate distance in all directions. Isolate the hazardous area, and prohibit the entrance of non-authorized personnel and individuals who are not wearing protective clothing. Operators must wear appropriate protective clothing and avoid exposure to eyes and skin. Ventilate closed spaces before entering them.

6.2. Environmental precautions: Prevent entry into waterway to avoid environmental damage.

6.3. Methods and material for containment and cleaning up
Collect wet liquids and spilled liquids into tightly closed container as much as possible.

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
Metaform, Metawax

Print date: 18.10.2016

According to Regulation (EC) No 1907/2006

Product code: METAFORM, METAWAX

Page 3 of 6

Advice on safe handling
Ventilate working area thoroughly. Wear suitable protective equipment. Local ventilation system is preferred. If local ventilation is not possible, ventilate working area thoroughly. When exposed, it may cause irritation to skin and mucous membranes. Avoid skin contact. Avoid direct sunlight, objects with high temperature and fire.

Advice on protection against fire and explosion
No special fire protection measures are necessary. No smoking. No open flame.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Store in cool dark place. No smoking. No open flame. Avoid direct sunlight, object with high temperature and fire.

Advice on storage compatibility
Maintain oxygen concentration to avoid polymerization and do not replace with inert gases.

7.3. Specific end use(s)
For dental use only. Adhere to professional industrial hygiene.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values
Not specified

8.2. Exposure controls

Appropriate engineering controls
Use highly enclosed apparatus, equipment, or localized extractor facilities.

Protective and hygiene measures
Not specified.

Eye/face protection
Wear eye/face protection (such as eye protector).

Hand protection
Wear rubber gloves

Skin protection
Wear rubber boots and apron.

Respiratory protection
Wear respiratory protection (gas mask for organic gas).
When mist or vapors are produced by melting/heating, wear protective mask with mist filter.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Solid material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>blue</td>
</tr>
<tr>
<td>Odour:</td>
<td>Slight characteristic</td>
</tr>
</tbody>
</table>

pH-Value:

Test method
No data
## Changes in the physical state

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point</td>
<td>No data</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data</td>
</tr>
<tr>
<td>Flash point</td>
<td>Above 130°C</td>
</tr>
</tbody>
</table>

## Flammability

<table>
<thead>
<tr>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>No data</td>
</tr>
<tr>
<td>Gas</td>
<td>No data</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower explosion limits</td>
<td>No data</td>
</tr>
<tr>
<td>Upper explosion limits</td>
<td>No data</td>
</tr>
</tbody>
</table>

## Auto-ignition temperature

<table>
<thead>
<tr>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>No data</td>
</tr>
<tr>
<td>Gas</td>
<td>No data</td>
</tr>
</tbody>
</table>

## Decomposition temperature

<table>
<thead>
<tr>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>No data</td>
</tr>
<tr>
<td>Gas</td>
<td>No data</td>
</tr>
</tbody>
</table>

## Oxidizing properties

- Not oxidizing.

## Vapour pressure

<table>
<thead>
<tr>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>(at 20 °C)</td>
</tr>
</tbody>
</table>

## Density

- 1.0~1.2 g/cm³

## Water solubility

- insoluble

## Solubility in other solvents

- Soluble in ethyl acetate and toluene

## Partition coefficient

<table>
<thead>
<tr>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data</td>
</tr>
</tbody>
</table>

## Flow time

<table>
<thead>
<tr>
<th>Value</th>
</tr>
</thead>
<tbody>
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<td>No data</td>
</tr>
</tbody>
</table>

## Vapour density

<table>
<thead>
<tr>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data</td>
</tr>
</tbody>
</table>

## Evaporation rate

<table>
<thead>
<tr>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data</td>
</tr>
</tbody>
</table>

### 9.2. Other information

- Solid content: No data
- Burn-out temperature: 600°C / 1 Std.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Material will polymerize when exposed to daylight.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Polymerization involving high heat may occur by sudden heating, direct sunlight, ultraviolet irradiation, etc. In inert gas atmosphere, polymerization may occur.

### 10.4. Conditions to avoid

- Ultraviolet, heat, high temperature

### 10.5. Incompatible materials

- Strong oxidizing compound, Base, Acid.

### 10.6. Hazardous decomposition products

- No data.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects
### 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 product has not been tested.

**12.6. Other adverse effects**
- No information available.

**Further information**
- Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### SECTION 13: Disposal considerations

**13.1. Waste treatment methods**
- **Advice on disposal**
  - Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

- **Waste disposal number of waste from residues/unused products**
  - 200139 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); plastics

- **Waste disposal number of used product**
  - 200139 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); plastics

- **Contaminated packaging**
  - Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

**14.6. Special precautions for user**
- No information available.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**
- not applicable

- **Other applicable information**
  - No dangerous good
SECTION 15: Regulatory information

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

EU regulatory information
2010/75/EU (VOC): No information available.
2004/42/EC (VOC): No information available.

National regulatory information
Employment restrictions: No information available.

Fire Services Act: 3 - Designated flammable goods (synthetic plastics) (Designated quantity 3000kg)
(Article 9-4, Cabinet Order Concerning the Control of Hazardous Materials Article 1-12 Attached Table 4)

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

SECTION 16: Other information

Changes
This data sheet contains changes from the previous version in section(s): 2,6,9,11,12.

Abbreviations and acronyms
ADR: Accord européen sur le transport 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 Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)
Harmful in contact with skin.

Further Information
Information provided in this Safety Data Sheet is based on our current knowledge. It should not be construed as guaranteeing any specific property of the product. Please be very careful when handling the product.

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