1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF SUPPLIER

**Product Identifier:**
**Trade Name:** maxill Light Body, maxill Super Light Body, maxill Heavy Body, maxill Light Body HTS, maxill Monophase, maxill Alginate Free, maxill Bite Registration, maxill Putty, maxill Mono, maxill Bite Air

**Product Form:**
Mixture

**Application of the substance or the preparation:**
Addition curing vinyl polysiloxane dental impression materials (consisting of Base & Catalyst)

**Supplier Details:**
**CANADA**
maxill inc.
80 Elm St.
St. Thomas, ON, Canada, N5R 6C8

**USA**
maxill inc.
500 W. Main Street
Cortland, OH
44410

Emergency Contact: maxill inc. 519-631-7370

**24 hours:**
In Canada, CANUTEC: 613-996-6666

In USA/Canada, ChemTel: 1-800-255-3924, outside USA/Canada 1-813-248-0585

2. HAZARDS IDENTIFICATION

GHS label elements, including precautionary statements

**Signal Word:**
WARNING

**Hazard statement(s)**
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

**Precautionary statement(s)**
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves and eye and face protection.
P272 Contaminated work clothing should not be allowed out of the workplace.
3. COMPOSITION AND INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS</th>
<th>Material</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>68083-19-2</td>
<td>Polydimethylsiloxane vinyl terminated</td>
<td>20 – 40</td>
</tr>
<tr>
<td>68037-59-2</td>
<td>Dimethylsiloxane copolymer</td>
<td>1 – 10</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz silica</td>
<td>30 – 50</td>
</tr>
<tr>
<td>27306-78-1</td>
<td>Polysiloxane</td>
<td>&lt; 5</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

**Description of first aid measures**

**After inhalation**
Remove person to fresh air. Get medical attention if you feel unwell.

**After contact with skin**
Immediately flush with water and then wash with soap and water. In case skin irritation persists, get medical attention.

**After contact with eyes**
Rinse with copious amounts of water for at least 15 minutes. Get medical attention.

**After ingestion**
Flush mouth with water and get medical attention.

**Further information**
None

5. FIRE FIGHTING MEASURES

**Suitable extinguishing media**
Water spray, foam, carbon dioxide, dry chemicals depending on the materials involved in the fire.

**Extinguishing media to avoid**
Not known.

**Special hazards arising from combustion**
No relevant information is available for this product.

**Special protective equipment for fire-fighters**
No special measures are required.

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**
Ventilate area. Avoid contact with skin and eyes.

**Environmental precautions**
Do not allow to enter sewers or ground water

**Methods for cleaning up/collecting**
Collect mechanically. The product may be absorbed by liquid-binding material (sand, diatomite, acid binders).
7. HANDLING AND STORAGE

Precautions for safe handling
Adequately trained personnel should handle this product. Do not eat, drink or smoke when using the product. Wash thoroughly after handling. Contaminated clothing should not be allowed out of the workplace and in any case it should be washed before reuse. Keep container tightly closed.

Precautions in case of fire and explosion
Extinguish all sources of ignition. No special measures required.

Conditions for safe storage, including any incompatibilities
Store product in a cool and dry place. Avoid direct sunlight, strong bases, acids, oxidizing agents and amines. Store in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Occupational exposure limits
In case a component is shown in section 3 but it does not appear in the table below, there are not any available data for this component.

<table>
<thead>
<tr>
<th>C.A.S. No.</th>
<th>Component</th>
<th>Agency</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>14808-60-7</td>
<td>Quartz silica</td>
<td>ACGIH</td>
<td>TWA: 0.025 mg/m3 *respirable fraction</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz silica</td>
<td>OSHA</td>
<td>TWA: 0.3* mg/m3 <em>concentration as a total of dust TWA: 0.1</em> mg/m3 (2.4 millions of particles/cu. ft.) *concentration respirable</td>
</tr>
</tbody>
</table>

ACGIH: American Conference of Government Industrial Hygienists
OSHA: United States Department of Labour – Occupational Safety and Health Administration
TWA: Time-Weighted-Average

Exposure control
Personal protective equipment (PPE)

Ventilation: Ensure adequate ventilation of the premises where the product is stored and/or handled.

Respiratory protection: Not required.

Hand protection: Suitable protective gloves may be worn. The use of vinyl gloves is suggested. (Setting time of polyvinylsiloxanes is inhibited by latex gloves).

Eye protection: Safety goggles are recommended.

Skin protection: Do not eat, drink or smoke when using the product.

Other: Lab coat is suggested when using the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Appearance (physical state, color, etc.)</th>
<th>Bio-component pastes/viscous liquids</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH value</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
### 10. STABILITY AND REACTIVITY

**Reactivity**
No relevant information available.

**Chemical stability**
Stable under normal storage and handle conditions.

**Hazardous decomposition products**
None, if used in accordance with instructions.

**Conditions to avoid**
No relevant information available, if used in accordance with instructions.

**Possibility of hazardous reactions**
None, if used in accordance with instructions.

### 11. TOXICOLOGICAL INFORMATION

It is required by the U.S. OSHA Hazard Communication Standard to include all the known hazards of the product or components included regardless the potential risk. All the information presented below corresponds to the uncured components included in the product. Once the product is mixed according to the instructions for use it is safe for its intended use.

**Information on toxicological effects**

- **Inhalation:** No adverse health effects are expected.
- **Skin contact:** May cause mild irritation.
- **Eye contact:** May cause irritation.
- **Ingestion:** There is a possibility of gastrointestinal irritation with the symptoms being stomach pain and upset, nausea, diarrhoea and vomiting.

**Additional toxicological information**

**Carcinogenicity:**

During normal / intended use it is not expected to cause the following health effect(s) during exposure

<table>
<thead>
<tr>
<th>C.A.S. No. Component</th>
<th>Class description</th>
<th>Regulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>14808-60-7 Quartz silica</td>
<td>Group 1: Carcinogenic</td>
<td>International Agency for Research on Cancer to humans</td>
</tr>
</tbody>
</table>

**Toxicological data:**
In case a component is shown in section 3 but it does not appear in the table below, there are not any
available data for this component.

### Acute Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Route</th>
<th>Species</th>
<th>LD50/KC50</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polydimethylsiloxane vinyl terminated</td>
<td>Dermal</td>
<td>Rabbit</td>
<td>LD50</td>
<td>&gt; 15,440 mg/Kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Rat LD50</td>
<td>&gt; 15,440 mg/Kg</td>
</tr>
<tr>
<td>Dimethylsiloxane copolymer</td>
<td>Dermal</td>
<td>Rabbit</td>
<td>LD50</td>
<td>&gt; 2,000 mg/Kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Rat LD50</td>
<td>&gt; 2,000 mg/Kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Rat LC50</td>
<td>4.2 mg/L</td>
</tr>
<tr>
<td>Quartz silica</td>
<td>Dermal</td>
<td></td>
<td>LD50</td>
<td>&gt; 5,000 mg/Kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ingestion</td>
<td>&gt; 5,000 mg/Kg</td>
</tr>
<tr>
<td>Polysiloxane</td>
<td>Dermal</td>
<td>Rabbit</td>
<td>LD50</td>
<td>&gt; 2,000 mg/Kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Rat LD50</td>
<td>&gt; 2,000 mg/Kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Rat LC50</td>
<td>2 mg/L</td>
</tr>
</tbody>
</table>

### Skin corrosion/irritation

<table>
<thead>
<tr>
<th>Component</th>
<th>Route</th>
<th>Species</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polydimethylsiloxane vinyl terminated</td>
<td>Dermal</td>
<td>Rabbit</td>
<td>Mild irritation</td>
</tr>
<tr>
<td>Quartz silica</td>
<td>Dermal</td>
<td>Rabbit</td>
<td>No significant irritation</td>
</tr>
<tr>
<td>Polysiloxane</td>
<td>Dermal</td>
<td>Rabbit</td>
<td>No significant irritation</td>
</tr>
</tbody>
</table>

### Serious eye damage/Irritation

<table>
<thead>
<tr>
<th>Component</th>
<th>Route</th>
<th>Species</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polydimethylsiloxane vinyl terminated</td>
<td>Dermal</td>
<td>Rabbit</td>
<td>Mild irritation</td>
</tr>
<tr>
<td>Polysiloxane</td>
<td>Dermal</td>
<td>Rabbit</td>
<td>Severe irritation</td>
</tr>
</tbody>
</table>

### Skin sensitization

<table>
<thead>
<tr>
<th>Component</th>
<th>Species</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polydimethylsiloxane vinyl terminated</td>
<td>Guinea pig</td>
<td>Not sensitizing</td>
</tr>
</tbody>
</table>

### Respiratory sensitization:

No available data for this component.

### Germ cell mutagenicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz silica</td>
<td>In vitro</td>
<td>Not mutagenic</td>
</tr>
<tr>
<td>Polysiloxane</td>
<td>In vitro</td>
<td>Not mutagenic</td>
</tr>
</tbody>
</table>

### Carcinogenicity
Reproduced toxicity:
In case a component is shown in section 3 but it does not appear in the table below, there are not any available data for this component.

Reproduced and/or development effects

<table>
<thead>
<tr>
<th>Polysiloxane Target Organ/Value</th>
<th>Species</th>
<th>Test Result/Exposure Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion</td>
<td>Rat NOAEL</td>
<td>450 mg/Kg/day pre-mating &amp; during gestation</td>
</tr>
</tbody>
</table>

Target organ(s):
No available data for this component.

Specific target organ toxicity – single exposure:
No available data for this component

Specific target organ toxicity – repeated exposure:

<table>
<thead>
<tr>
<th>Quartz silica Target Organ/Value</th>
<th>Species</th>
<th>Test Result/Exposure Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Human NOAEL</td>
<td>Occupational exposure</td>
</tr>
</tbody>
</table>

Aspiration hazard:
In case a component is shown in section 3 but it does not appear here, there are not any available data for this component.

12. ECOLOGICAL INFORMATION

If material is properly used and handled no ecological problems are to be anticipated
Do not discard material into drains/sewers or aquatic environment

13. DISPOSAL CONSIDERATIONS

Disposal must be carried out in accordance to the local and national regulations currently in force.

14. TRANSPORT INFORMATION

UN-Number
DOT, ADR, ADN, IMDG, IATA
None
UN proper shipping name
DOT, ADR, ADN, IMDG, IATA
None
Transport hazard class
15. REGULATORY INFORMATION

The product is not considered hazardous under D. Lgs. 65/03.
The product is a medical device according to EC directive 93/42/EEC
This product is classified as a medical device under US regulations and it has been reviewed by the US
Food and Drug Administration (FDA)

16. OTHER INFORMATION:
INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

CAUTION: PRODUCT FOR PROFESSIONAL USE ONLY

Disclaimer

maxill inc. believes that the information on this SDS was obtained from reliable sources. However, the
information is provided without any warranty, expressed or implied, regarding its correctness. Some information
presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The
conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be
beyond our knowledge. For this and other reasons, maxill Inc. does not assume responsibility and expressly
disclaims liability for loss, damage, or expense arising out of or in any way connected with handling,
storage, use, or disposal of this product. If the product is used as a component in another product, this SDS
information may not be applicable. Information is correct to the best of our knowledge at the date of the SDS
publication.

NFPA health hazard: 2 - Intense or continued but not chronic exposure could cause
temporary incapacitation or possible residual injury

NFPA fire hazard: 0 – Material will not burn under typical fire conditions

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not
reactive with water.

HMIS III Rating
Health: 2 Slight Hazard - Irritation or minor reversible injury possible
Flammability: 0 Serious Hazard
Physical: 0 Minimal Hazard