

# SAFETY SHEET

Date of issue 02/03/95	<b>TSM ACETAL DENTAL</b>
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<p>1. Identification data of the substance or compound and the manufacturing company</p> <p>Compound type identity Product code :</p> <p>Supplier :</p> <p>Emergency telephone number :</p>	<p>TSM Acetal Dental (acetal resin) Pom</p> <p>PRESSING DENTAL SRL Via Edoardo Collamarini 5/d 47041 Dogana Repubblica di San Marino Tel **378-909948 Fax. **378-909958</p>
<p>2. Composition/ information on the ingredients</p> <p>- Chemical features of the compound</p>	<p>- Omopolymer Polyoximethylene</p>
<p>3. Possible dangers</p> <p>- Serious dangers : - Specific dangers :</p>	<p>- None. - None.</p>
<p>4. First aid measures</p> <p>- Inhalation</p> <p>- Contact with the skin</p> <p>- Contact with the eyes</p>	<p>- Take to a ventilated place in case of accidental inhalation of fumes resulting from overheating or combustion. - In case of long exposure, consult a doctor</p> <p>- In case of contact with melted polymer, quickly chill the skin with cold water. - Do not pull the polymer away from the skin. - Consult a doctor.</p> <p>- In case of contact with your eyes, wash immediately and thoroughly with water; consult a doctor.</p>
<p>5. Fire-fighting measures</p> <p>- Suitable extinguishers - Special protection equipment for the Fire Brigade</p>	<p>- CO2, dry powder, - Foam, water. - In case of fire, use an integrated breathing device</p>

<p>6. Measures in case of accidental spills</p> <ul style="list-style-type: none"> <li>- Precautions for people:</li> <li>- Environment protecting measures :</li> <li>- Cleaning methods :</li> </ul>	<ul style="list-style-type: none"> <li>- None.</li> <li>- None.</li> <li>- Remove immediately.</li> </ul>
<p>7. Handling and storing</p> <ul style="list-style-type: none"> <li>- Handling</li> <li>- Technical measures/precautions :</li> <li>- Advise on safe usage :</li> <li>- Storing</li> <li>- Technical measures/ storing methods</li> <li>- Incompatible with</li> <li>- Packing material</li> </ul>	<ul style="list-style-type: none"> <li>- It burns with colourless flame; fire point of the powder cloud 440°C.</li> <li>Keep the containers in a dry, cool and ventilated area. Proper ventilation is needed in areas where dust can be generated.</li> <li>- Take measures against electrostatic charges (which could lead to the ignition of organic vapours).</li> <li>- None.</li> <li>- Acids and bases, strong oxidizers, halogen compounds.</li> <li>- Refrain from using additives; protect from contamination.</li> <li>- None</li> </ul>
<p>8. Exposure control/ personal protection</p> <ul style="list-style-type: none"> <li>- Personal protection</li> <li>- Respiratory protection :</li> <li>- Eye protection</li> <li>- Hand protection</li> <li>- Hygiene requirements</li> <li>- Control parameters</li> <li>- National exposure limits</li> <li>- Respirable dust :</li> <li>- Formaldehyde :</li> </ul>	<ul style="list-style-type: none"> <li>- When dust and/or fumes can be inhaled, the use of devices which provide clean air is recommended.</li> <li>- Safety glasses</li> <li>- Safety gloves</li> <li>- Wash your hands before your work breaks and at the end of the working day. General precautions for all plastic materials and elastomers: do not inhale the fumes released by the melted polymer</li> <li>- 8-h twa = 5 mg/m<sup>3</sup> ; (1990)</li> <li>- tl<sub>v</sub>-c = 0.3 ml/m<sup>3</sup> ; A2 ; ACGIH (1994-95)</li> <li>- The EC classifies formaldehyde among the substances which can cause irreversible effects.</li> </ul>

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Emergency contact number : Phone (int.\*\*)<sup>3</sup>78-909948 Telefax (int. \*\*) 378-909958

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<p>9. Chemical and physical properties</p> <ul style="list-style-type: none"> <li>- Appearance</li> <li>- Shape :</li> <li>- Colour :</li> <li>- Odour :</li> <li>- ph :</li> <li>- Melting point/ range:</li> <li>- Decomposition temperature :</li> <li>- Fire point :</li> <li>- Explosive properties :</li> <li>- Relative density (°C) :</li> <li>- Solubility</li> <li>- Solubility in water :</li> </ul>	<p>Test method      ASTM D 1929</p> <ul style="list-style-type: none"> <li>- Cylindrical disks with through-hole in the middle</li> <li>- Various colours</li> <li>- Slightly of formaldehyde</li> <li>- Not applicable</li> <li>- 172 - 184 °C</li> <li>- 230 °C</li> <li>- 322 °C</li> <li>- Not applicable</li> <li>- from 1.42 g/cm<sup>3</sup> to 1.42 g/cm<sup>3</sup></li> <li>- Insoluble</li> </ul>
<p>10. Stability and Reactivity</p> <ul style="list-style-type: none"> <li>- Situations to be avoided :</li> <li>- Dangerous decomposition products :</li>   <li>- Other information :</li> </ul>	<ul style="list-style-type: none"> <li>- Temperature higher than 230 °C</li> <li>- Formaldehyde</li> <li>- Small quantities of dangerous gases and/or powdery substances can be developed during the drying, drain and forming</li> <li>- They can irritate the eyes, nose and throat.</li> <li>- The combined use of Acetal Dental and additives or contaminating substances listed in Section 7 might generate dangerous decomposition products.</li> </ul>
<p>11. Toxicologic information</p> <ul style="list-style-type: none"> <li>- Acute toxicity:</li> <li>- Local effects :</li> </ul>	<ul style="list-style-type: none"> <li>- No available data (see bio-compatibility test)</li> <li>- No available data (see bio-compatibility test)</li> </ul>
<p>12. Ecological information</p>	<ul style="list-style-type: none"> <li>- No available data</li> </ul>
<p>13. Recommendations on disposal</p> <ul style="list-style-type: none"> <li>- Scrapped/unused product waste</li>   <li>- Contaminated containers :</li> </ul>	<ul style="list-style-type: none"> <li>- The product can be recycled, as the majority of the thermoplastic materials. Recycling is recommended, rather than dumping in land-fills or incinerating.</li> <li>- It can be disposed of underground or incinerated, when allowed by local regulations. Dispose of in compliance with Presidential Decree No. 915/82 and following emendaments and with local regulations, where existing.</li> <li>- Cartons can be given to local recycling companies.</li> </ul>

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14. Transport information	- Non-dangerous goods, as per transport regulations
15. Other information	Before using, read carefully the equipment instruction manual and the operation technical sheets.
Final use	See operation technical sheets
This information is based on our current knowledge and is given to make the use, storing, transport and disposal safer. However, it is not a guarantee for the product features and quality. It only refers to the product described above and is not valid when this product is used in combination with other materials or in processes different from those listed in the safety card.	

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