## Material Safety Data Sheet

**Manufacturer's Name and FSCM (Federal Supply Code for Manufacturers)**
De Trey Division, Dentsply Limited

**Address**
Hamm Moor Lane, Weybridge, Surrey, U.K. KT15 2SE

**Chemical Name and Synonyms**
Poly(methyl methacrylate)

**Acrylic resins**

**Formula**
$(\text{CH}_2 - \text{C}-(\text{CH}_3) - \text{COOCH}_3)_n$  
CAS. No 9011-14-

**Special Tray Powder**

**Section I - Physical Data**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point (°F)</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td></td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td></td>
</tr>
<tr>
<td>Solubility in Water</td>
<td></td>
</tr>
</tbody>
</table>

**Appearance and Odor**
White free flowing powder, slight acryic odour.

**Section II - Hazardous Ingredients**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contains polyvinyl chloride</td>
<td>9002-86-2</td>
<td>15</td>
</tr>
<tr>
<td>polystyrene</td>
<td>9003-53-6</td>
<td>11</td>
</tr>
</tbody>
</table>

**Section III - Health Information**

**Section IV - Fire and Explosion Hazards**

- Supports combustion
- Carbon dioxide, dry powder
- Special fire fighting procedures
- Can cause explosive dust at concentration of 20g/m³.
- Emits noxious fumes
**Threshold Limit Value**
N.E.

**Effects of Overexposure**
Respiratory irritation through excessive dust inhalation

**Emergency and First Aid Procedures**
Remove from dust environment. Eye contact - wash with plenty of water and seek medical attention if irritation persists.

**Stability**
- Unstable
- Stable

**Conditions to Avoid**
- None

**Incompatibility (Materials to avoid)**
- None

**Hazardous Decomposition Products**
Methyl methacrylate/acid chlorides

**Hazardous Polymerization**
- May Occur
- Will Not Occur

**Conditions to Avoid**
- None

**Steps to be Taken in Case Material is Released or Spilled**
Sweep up into containers - polymer can cause slip hazards on hard floors.

**Waste Disposal Method**
Normal disposal outlets - check local environmental regulations.

**Respiratory Protection (Specify Type)**
- Dust mask (paper, cotton)

**Ventilation**
- Local Exhaust

**Mechanical (General)**
- Special

**Protective Gloves**
- Eye Protection

**Protective Eyewear**
- Goggles

**Precautions to Be Taken in Handling and Storage**

**Other Precautions**

**Proper Shipping (Article) Name**

**DOT Label**

**DOT Marking**

**Emergency Accident Precautions and Procedures**

**DOT Placard**

**Precautions to Be Taken in Transportation**

**Signature**

**Date**
12th Sept 1985