



## SAFETY DATA SHEET (SDS) DP-REPAIR-R

### 1. IDENTIFICATION

Product Name: Acrylic resin DP-Repair-R  
Other Name or Code: 1061100, 1061200, 1061300  
1061101, 1061201, 1061301  
1061102, 1061202, 1061302  
1061103, 1061203, 1061303  
1061105, 1061204, 1061304  
1061107, 1061207, 1061307  
1061116, 1061216, 1061316  
Use: Repair systems for dentures  
Supplier Name: DenPlus Inc.  
Address: 333-M Chemin du Tremblay  
Boucherville, QC, Canada, J4B 7M1  
Phone Number for Information: 450.641.1330  
Emergency Phone Number: 613.996.6666  
Anti-Poison Center of Quebec 1.800.463.5060

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification

Combustible dust – Category 1

#### 2.2 Label elements

Signal word: Warning

Hazard statement: May form combustible dust concentrations in air

### 3. INFORMATION ON INGREDIENTS

Polymer beads based on methyl methacrylate and styrene containing residual peroxide.

| Hazardous ingredients | CAS         | Concentration range (by weight) |
|-----------------------|-------------|---------------------------------|
| Dibenzoyl peroxide    | 000094-36-0 | 1-5 %                           |
| Methyl methacrylate   | 000080-62-6 | < 1 %                           |

## 4. FIRST-AID MEASURES

### 4.1 Description of first aid measures

|              |  |
|--------------|--|
| Inhalation   | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.  |
| Skin Contact | IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs, get medical attention.   |
| Eye Contact  | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if ill effects occur. |
| Ingestion    | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Obtain medical attention if ill effects occur.  |

### 4.2 Most important symptoms and effects, both acute and delayed

Not applicable.

### 4.3 Indication of any immediate medical attention and special treatment needed

None necessary.

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

In case of fire, use water spray, carbon dioxide (CO<sub>2</sub>), spray foam, dry powder. Do not use water jet.

### 5.2 Special hazards arising from the substance or mixture

Combustible but not readily ignited. Combustion or thermal decomposition will evolve toxic, irritant or flammable vapors. This product can form flammable dust clouds at elevated temperatures. The minimum ignition temperature of a dust cloud of a similar polymer has been measured at approximately 480 °C.

### 5.3 Advice for firefighters

A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Caution – spillage may be slippery.

### 6.2 Environmental precautions

Avoid release to the environment.

### 6.3 Methods and material for containment and cleaning up

Collect in containers for disposal using approved dust respirator.

### 6.4 Reference to other sections

See sections: 8 and 13

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Do not eat, drink or smoke at the work place.

Product as supplied: Avoid contact with eyes. Avoid prolonged skin contact. Unlikely to represent a dust hazard under normal handling conditions.

Dental resins are usually processed in conjunction with reactive monomers and this may require the use of a higher level of protection than the necessary for the polymer itself.

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

Acrylic polymers are supplied in either bags or bulk containers. Keep containers in a clean, cool and dry area away from heat sources. Natural ventilation is adequate.

Storage temperature (°C): Ambient.

Incompatible materials: Polymer contains residual benzoyl peroxide. This may react with oxidizing agents, reducing agents, acids, bases and amines leading to decomposition.

### 7.3 Specific end use(s)

Production of dentures.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1 Control parameters

| Substance  | CAS No.     | OSHA PEL<br>TWA                  | ACGIH<br>TWA                       | ACGIH<br>STEL                                  | Company<br>Std.<br>TWA | Company<br>Std.<br>STEL |
|--|-------------|----------------------------------|------------------------------------|--|------------------------|-------------------------|
| Dibenzoyl peroxide   | 000094-36-0 | 5 mg/m <sup>3</sup>              | 5 mg/m <sup>3</sup> (A4)           |  |                        |                         |
| Particulates (Total dust)  |             | 15 mg/m <sup>3</sup>             | 10 mg/m <sup>3</sup>               |  |                        |                         |
| Particulates (Respirable dust)   |             | 5 mg/m <sup>3</sup>              | 3 mg/m <sup>3</sup>                |  |                        |                         |
| The following values apply to substances which may be involved during thermal processing |             |                                  |                                    |  |                        |                         |
| Methyl methacrylate  | 000080-62-6 | 100 ppm<br>410 mg/m <sup>3</sup> | 50 ppm<br>(205 mg/m <sup>3</sup> ) | 100 ppm<br>(205 mg/m <sup>3</sup> )<br>SEN;A4  | 50 ppm                 | 100 ppm                 |
| Styrene  | 000100-42-5 |                                  |                                    | 40 ppm<br>(172 mg/m <sup>3</sup> )<br>(A4;BEI) |                        |                         |

### 8.2 Exposure controls

Appropriate engineering controls

Do not eat, drink or smoke at the work place. Provide adequate ventilation, including appropriate local extraction, to ensure that the occupational exposure limit is not exceeded. Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required. The following information is given as general guidance.

## Individual protection measures

|                        |   |
|------------------------|---|
| Eye/face protection    | Wear eye/face protection. Safety spectacles/goggles/full face shield.   |
| Skin protection        | Not normally required, however use of gloves is recommended.<br>Suitability of gloves should be confirmed with glove manufacturer.  |
| Respiratory protection | A suitable dust mask or dust respirator with filter type P3 or FFP3 may be appropriate. In the unlikely event of formation of particularly high levels of dust a self contained breathing apparatus may be appropriate. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                                |
|---|--------------------------------|
| Appearance                              | White or colored powder        |
| Odor                                    | Typically methacrylate         |
| pH (Value)                              | Not applicable                 |
| Melting Range (°C)                      | 150 - 230                      |
| Boiling Point (°C)                      | Not applicable                 |
| Flash Point (°C)                        | ~ 390                          |
| Flammability (solid, gas)               | Not applicable                 |
| Flammable Limits                        | Not applicable                 |
| Vapor pressure (Pascal)                 | Not applicable                 |
| Vapor Density (Air=1)                   | Not applicable                 |
| Solubility (Water)                      | Negligible                     |
| Solubility (Other)                      | Not applicable                 |
| Partition Coefficient (n-Octanol/water) | Not applicable                 |
| Auto Ignition Temperature (°C)          | ~ 465                          |
| Viscosity (mPa. s)                      | Not available                  |
| Explosive properties                    | Weakly to moderately explosive |
| Oxidizing properties                    | Not applicable                 |
| Density (g/ml)                          | 1.1 – 1.18                     |

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Non-reactive material.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

None known.

### 10.4 Conditions to avoid

Avoid dust generation.

### 10.5 Incompatible materials

Polymer contains residual benzoyl peroxide. This may react with oxidizing agents, reducing agents, acids, bases and amine leading to decomposition.

### 10.6 Hazardous decomposition products

Methyl methacrylate, n-butyl methacrylate, dibenzoyl peroxide, carbon dioxide, carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Ingestion

Low oral toxicity.

Inhalation

Unlikely to be hazardous by inhalation.

Skin contact

Unlikely to cause skin irritation.

Eye contact

Dust may cause irritation.

STOT – repeated exposure

The excessive accumulation of any dust in the lungs could produce lung damage with inflammation and eventually fibrosis (scar tissue).

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

This product is predicted to have low toxicity to aquatic organisms.

### 12.2 Persistence and degradability

This product is non-biodegradable in soil. There is no evidence of degradation in soil and water.

### 12.3 Bioaccumulative potential

The product has low potential for bioaccumulation.

### 12.4 Mobility in soil

The product is predicted to have low mobility in soil.

### 12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

### 12.6 Other adverse effects

None known.

## 13. DISPOSAL CONSIDERATIONS

The waste is considered to be non hazardous. Clean scrap may be reprocessed. Dispose in accordance with local regulations.

### **13.1 Waste treatment methods**

May be disposed of by landfill in accordance with local regulations.

## **14. TRANSPORTATION CONSIDERATIONS**

Not Classified as Dangerous for Transport.

### **14.1 UN number**

Not applicable.

### **14.2 UN Proper Shipping Name**

Not applicable.

### **14.3 Transport hazard class(es)**

Not applicable.

### **14.4 Packing group**

Not applicable.

### **14.5 Environmental hazards**

Not applicable.

### **14.6 Special precautions for user**

Not applicable.

### **14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

Not applicable.

## **15. REGULATORY INFORMATION**

WHMIS 2015

Canadian Hazardous Products Regulations (SOR/2015-17)

Canadian Hazardous Products Act (R.S.C., 1985, c. H-3)

Hazardous Products Information Regulation (Quebec S-2.1, r. 8.1)

## **16. OTHER INFORMATION**

The following sections contain new statements : 3, 8, 11, 16

Date of revision : May 22, 2026

The information in this SDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. We do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.