



## MATERIAL SAFETY DATA SHEET

### SECTION 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: PermaSoft® Powder  
Product Number: N811000, N811100, N811500, N812000, N812100, N812500, N815103, N815003,  
N815101, N815005, N815102, N815002, N815105  
MSDS Code Number: 202

Manufacturer: Dentsply Prosthetics  
Address: 570 West College Ave.  
York, PA 17405-0872  
Information Telephone Number: 717-845-7511  
Emergency Telephone Number: 800-424-9300 Chemtrec  
Email: Prosthetics\_MSDS@Dentsply.com

Product Use: Denture Liner

Date of Last Revision: January 12, 2009

### SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview: Inhalation of dust may cause mucous membrane and respiratory tract irritation. High concentration of dust may be explosive.

EU Preparation Classification (1999/45/EC): Not a dangerous preparation

### SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

Ingredient	CAS No./EINECS No.	Percent	EC Substance Classification (67/548/EEC)
Non-hazardous Acrylic Polymer	Mixture	80-100	Not applicable

See Section 16 for further information on EU Classification.

### SECTION 4 FIRST AID MEASURES

Eye Contact: Flush eyes with water, holding the eyelids apart. Get medical attention if irritation persists.

Skin Contact: Wash skin with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before re-use.

Ingestion: If small quantities are swallowed, rinse out mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious or drowsy person. If irritation or discomfort occurs, get immediate medical attention.

Inhalation: Remove victim to fresh air. Get medical attention if irritation develops.

**SECTION 5 FIRE FIGHTING PROCEDURES**

Extinguishing Media: Use water spray, carbon dioxide, foam or dry chemical. Use water to cool exposed containers and structures.

Firefighting Procedures: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus.

Unusual Fire/Explosion Hazards: High concentrations of dust in air may be explosive.

Known or Anticipated Hazardous Products of Combustion: Thermal decomposition may release ethyl methacrylate and oxides of carbon.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Accidental Release Measures: Carefully collect and place into a container for disposal. Do not generate airborne dust. Do not allow water to enter lakes, streams, ponds, groundwater or soil.

Personal Precautions: Avoid contact with skin, eyes or clothing.

Environmental Precautions: None known.

**SECTION 7 HANDLING AND STORAGE**

Handling: Avoid contact with eyes and skin. Avoid breathing dust or fumes. Wash thoroughly after handling. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation. Use good housekeeping to minimize accumulation of dust on equipment and surfaces. Keep away from sources of heat or ignition sources.

Empty containers retain product residues can be hazardous. Follow all MSDS precautions when handling empty containers.

Storage: Store in a dry, well ventilated area. Keep container closed when not in use.

**SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION**

Occupational Exposure Limits:

Non-hazardous Acrylic Polymer (as Particulates Not Otherwise Specified)	5 mg/m <sup>3</sup> TWA OSHA PEL (respirable fraction) 15 mg/m <sup>3</sup> TWA OSHA PEL (total dust) 4 mg/m <sup>3</sup> TWA DFG MAK (Inhalable) 1.5 mg/m <sup>3</sup> TWA DFG MAK (Respirable) 10 mg/m <sup>3</sup> TWA UK WEL (Inhalable) 5 mg/m <sup>3</sup> TWA UK WEL (Respirable)
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Engineering Controls: Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits. Use explosion-proof equipment where needed.

Personal Protective Equipment:

Eye Protection: Chemical goggles.

Skin Protection: Rubber or latex gloves.

Respiratory Protection: None should be needed for normal use. If the exposure limits are exceeded a NIOSH approved dust/mist respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Other Protective Clothing or Equipment: Clothing with long sleeves may be worn to avoid contact.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Pink or clear powder with a slight odor.

Boiling Point: Not applicable

Freezing Point: Not applicable

Solubility in Water: Insoluble

Vapor Pressure (mmHg): Not applicable

Evaporation Rate: Not applicable

% Volatile by Volume: Not applicable

Flammable Limits in Air:

LEL: Not applicable

UEL: Not applicable

Melting Point: Not applicable

Specific Gravity: 1.16

pH: Not applicable

Vapor Density: Not applicable

Viscosity: Not applicable

Flashpoint: >482°F (>250°C)

Autoignition Temperature: >752°F (>400°C)

## SECTION 10 STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Product will begin to depolymerization at 482°F (250°C). Keep product away from heat and ignition sources.

Incompatibility with Other Materials: Avoid oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition may release carbon monoxide, carbon dioxide and ethyl methacrylate.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known.

## SECTION 11 TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eyes: Dust may cause mechanical irritation.

Skin: May cause mechanical irritation. May cause skin sensitization in some individuals.

Ingestion: No adverse effects expected under normal use conditions.

Inhalation: Inhalation of dust may cause irritation of the eyes, nose and upper respiratory tract.

Symptoms include coughing, sneezing and difficulty in breathing.

Chronic Health Effects: None known.

Carcinogenicity: None of the components of this product are listed as carcinogens by OSHA, IARC, ACGIH, the EU Dangerous Substances Directive, or NTP.

Medical Conditions Aggravated by Exposure: Individuals with pre-existing eye, skin and respiratory disorders may be at increased risk from exposure.

Acute Toxicity Data:

Non-hazardous Acrylic Polymer: No data available

## SECTION 12 ECOLOGICAL INFORMATION

Non-hazardous Acrylic Polymer: No data available

## SECTION 13 DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state, and local regulations.

## SECTION 14 TRANSPORT INFORMATION

DOT Shipping Name: Not Regulated  
DOT Hazard Class: N/A  
UN Number: N/A  
DOT Labels Required (49CFR172.101): N/A

IATA Shipping Name: Not Regulated  
IATA Hazard Class: N/A  
UN Number: N/A  
IATA Hazard Labels Required: N/A

IMDG Shipping Name: Not Regulated  
IMDG Class: N/A  
UN Number: N/A  
IMDG Label: N/A

## SECTION 15 REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

#### SARA TITLE III:

Hazard Category For Section 311/312: Not applicable

Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

### U.S. STATE REGULATIONS

California Proposition 65: This product contains the following substances known to the State of California to cause cancer or reproductive toxicity: None

### INTERNATIONAL REGULATIONS:

Canadian Environmental Protection Act: This product is a medical device and not subject to chemical notification requirements.

Canadian WHMIS Classification: Medical devices are not subject to WHMIS.

European Community Labeling: Not a dangerous preparation.

European Inventory of New and Existing Chemicals Substances (EINECS): This product is a medical device and not subject to chemical notification requirements.

Australian Inventory of Chemical Substances: This product is a medical device and not subject to chemical notification requirements.

China Inventory of Existing Chemicals and Chemical Substances: This product is a medical device and not subject to chemical notification requirements.

Japanese Existing and New Chemical Substances: This product is a medical device and not subject to chemical notification requirements.

Korean Existing Chemicals List: This product is a medical device and not subject to chemical notification requirements.

Philippine Inventory of Chemicals and Chemical Substances: This product is a medical device and not subject to chemical notification requirements.

<b>SECTION 16 OTHER INFORMATION</b>
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HMS Hazard Rating:

Health – 0      Fire Hazard – 1      Reactivity – 0

EU Classes and Risk Phrases for Reference (See Sections 2 and 3):

None

Revision Date: 1/12/2009

Supersedes: 03/24/2006