



## MATERIAL SAFETY DATA SHEET

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

Product Name: Eclipse® Resilient Resin  
Product Number: 906080, 906180  
MSDS Code Number: 236

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: Moldable resin for dental applications.

Date of Last Revision: September 2, 2010

### SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview: May cause eye, skin, and respiratory tract irritation. Repeated contact may cause allergic skin reaction.

EU Preparation Classification (1999/45/EC): Xi; R36/38, R43

### SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

Ingredient	CAS No./EINECS No.	Percent	EC Substance Classification (67/548/EEC)
Urethane Methacrylate	Proprietary	95-100	Xi R36/38, R43
Stearyl Acrylate	4813-57-4 / 225-383-3	<5	XI R36/37/38

See Section 16 for further information on EU Classification.

### SECTION 4 FIRST AID MEASURES

Eye Contact: Immediately flush victim's eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Get medical attention.

Skin Contact: Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation develops. Launder clothing before re-use. (Discard contaminated shoes).

Ingestion: If conscious, wash mouth out with water. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Get medical attention.

Inhalation: If irritation develops, remove to fresh air. Get medical attention if symptoms persist.

## SECTION 5 FIRE FIGHTING PROCEDURES

Extinguishing Media: Water fog, foam, carbon dioxide, water spray or dry chemical.

Firefighting Procedures: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool exposed intact containers with water spray.

Unusual Fire/Explosion Hazards: High temperatures and sunlight may cause a polymerizing reaction to occur. Decomposition may release acrid smoke or fumes.

Known or Anticipated Hazardous Products of Combustion: Acrid fumes, carbon and nitrogen oxides.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

Accidental Release Measures Collect the spilled material then clean the area with soap and water. Exposure to sunlight or artificial light will cause the resin to polymerize. Polymerize by exposure to sunlight. Once the material is hard, pick up and place into a container for disposal.

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

Environmental Precautions: Avoid release to the environment.

## SECTION 7 HANDLING AND STORAGE

Handling: Avoid direct contact with uncured material. Avoid breathing vapors or fumes. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation.

Storage: Store in a dry, well ventilated area away from heat, direct sunlight and all sources of ignition.

## SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

Occupational Exposure Limits:

Urethane Methacrylate	None Established
Stearyl Acrylate	None Established

Engineering Controls: No special ventilation normally required.

Personal Protective Equipment:

Eye Protection: None required for handling solid material.

Skin Protection: Wear impervious gloves such as butyl rubber or nitrile to avoid skin contact when handling uncured material.

Respiratory Protection: None should be needed for normal use.

Other Protective Clothing or Equipment: None should be needed for normal use.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Moldable translucent solid resin with a characteristic odor

Boiling Point: Not applicable

Freezing Point: Not applicable

Solubility in Water: Negligible

Vapor Pressure (mmHg): <1 mmHg

Evaporation Rate: Not applicable

% Volatile by Volume: Negligible

Flammable Limits in Air:

LEL: Not determined

UEL: Not determined

Melting Point: <-40°F (-40°C)

Specific Gravity: Not determined

pH: Not applicable

Vapor Density: Not determined

Viscosity: Not determined

Flashpoint: >200°F (>93°C)

Autoignition Temperature: Not determined

## SECTION 10 STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Extreme heat (>300°F) (>149°C). Material will polymerize if exposed to direct sunlight or high temperatures.

Incompatibility with Other Materials: Avoid oxidizing agents, strong reducing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides, smoke.

Hazardous Polymerization: Will not occur.

## SECTION 11 TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eyes: Contact with uncured material may cause eye irritation.

Skin: Contact with uncured material may cause irritation. Repeated skin contact may cause allergic reaction (sensitization).

Ingestion: Ingestion is unlikely due to form. Small amounts are not anticipated to cause adverse effects. Large quantities may cause gastrointestinal disturbances.

Inhalation: Inhalation of vapors or fumes from curing may cause irritation of the eyes, nose and upper respiratory tract. Symptoms include coughing and sneezing.

Chronic Health Effects: None known.

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

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

Acute Toxicity Data:

Urethane Methacrylate                      No data available

Stearyl Acrylate                                No data available

## SECTION 12 ECOLOGICAL INFORMATION

Urethane Methacrylate                      No data available

Stearyl Acrylate                                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: Acute Health

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: This product is a medical device and not subject to chemical notification requirements.

### U.S. STATE REGULATIONS

California Proposition 65: This product may contain trace quantities of chemicals known to the state of California to cause cancer and/or reproductive harm.

### INTERNATIONAL REGULATIONS:

Canadian WHMIS Classification: This product is a medical device and exempt from labeling under WHMIS.

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

European Community Labeling:



Irritant

Contains stearyl acrylate  
R36/38 Irritating to eyes and skin  
R43 May cause sensitization by skin contact.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical attention  
S24/25 Avoid contact with skin and eyes.  
S36/37 Wear suitable protective clothing and gloves.

European Inventory of New and Existing Chemical 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>
-------------------------------------

HMIS Hazard Rating:

Health – 2      Fire Hazard – 1      Reactivity – 0

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

Xi Irritant

R36/38 Irritating to eyes and skin.

R36/37/38 Irritating to eyes, respiratory system and skin.

R43 May cause sensitization by skin contact.

Revision Summary: New MSDS format

Revision Date: 09/02/10

Supersedes: 08/26/03