

# **Material Safety Data Sheet**

## **Perfecta® Block-Out Resin**

MSDS, Rev. B

Last revised: 10-March-2010

Approved for Use: 03-February-2006

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### **1. Chemical Product and Company Identification**

**Product Name: Perfecta® Block-Out Resin**

Premier Dental Products Company  
1710 Romano Drive  
Plymouth Meeting, PA 19462  
Phone: 610-239-6000 Fax: 610-239-6171

### **2. Composition / Information on Ingredients**

**Hazardous Ingredients:**

Aromatic and Aliphatic Dimethacrylate Monomers and Oligomers

**Hazard ID & Risk Phrases**

[Xi] R36/37/38,43

Additional information: For the wording of the listed risk phrases refer to section 16.

### **3. Hazards Identification**

**Acute Health Hazards:** May cause eye, respiratory and skin irritation in high concentrations.

**Chronic Health Hazards:** Material is not known to cause significant health problems.

**Signs and Symptoms of Exposure:** High concentrations can cause eye and respiratory irritation. Prolonged skin exposure can cause dryness.

**Primary Routes of exposure:** inhalation, skin contact, eye contact

**Carcinogenicity:** NTP-no, OSHA – no, IARC-no.

### **4. First Aid Measures**

**In case of Inhalation:** If irritation occurs, take victim to open air. If breathing difficulty persists, consult a physician.

**In case of skin contact:** Wash with soap and water.

**In case of eye contact:** Flush with large quantities of water for 15 minutes. Consult a physician.

**In case of ingestion:** Consult a physician.

### **5. Fire-Fighting Measures**

**Flash Point:** N/E

**Extinguishing Media:** Carbon dioxide, water spray, dry chemical.

**Special Fire Fighting Procedures:** Avoid a direct jet of water. Firefighters should wear self-contained breathing apparatus.

**Unusual Fire and Explosion Hazards:** None

### **6. Accidental Release Measures**

**Environmental Precautions:** Avoid seepage into sewers and water supplies.

**Clean-up Procedures:** Contain spill and pick up material with a suitable absorbent material. Place absorbent into a container for later disposal. Clean spill area with detergent and water.

## 7. Handling and Storage

**Handling:** No special measures necessary if handled according to instructions.

**Storage:** Keep container tightly closed when not in use. Store in a cool, dry location. Keep material in original packaging. Avoid moisture and sunlight or other visible light sources.

## 8. Exposure Controls / Personal Protection

**Exposure Controls:** Use only in well-ventilated areas.

**Respiratory Protection:** Avoid inhalation of vapors. No special protection under normal use.

**Skin and Hand Protection:** Avoid unnecessary skin contact. Wear gloves when handling.

**Eye Protection:** Wear safety goggles or safety glasses with side shields when handling.

**Hygiene Measures:** Remove spilled material from skin and clothing. Do not eat or drink when handling this material.

## 9. Physical and Chemical Properties

**Appearance:** Blue gel

**Odor:** Specific odor

**Boiling Point/Range:** N/A

**Evaporation Rate** (Water = 1): N/A

**Vapor Density** (Air = 1): N/A

**Solubility in Water:** Insoluble

## 10. Stability and Reactivity

**Stability:** This material is stable.

**Hazardous Reactions:** None if handled according to directions.

**Hazardous Polymerization:** May occur.

**Conditions to avoid:** Heat, UV light and contamination.

**Incompatibility:** Free radicals, reducing agents, heavy metal ions

**Hazardous Decomposition Products:** Carbon dioxide, water, carbon monoxide, acrylic decomposition products, depending on conditions of heating and burning.

## 11. Toxicological Information

**Acute oral toxicity:** LD<sub>50</sub>(rat) >5000mg/KG

**Irritation of Skin:** Dryness and irritation possible upon prolonged exposure

**Allergic Effects:** Methacrylate sensitive individuals may exhibit an allergic reaction.

## 12. Ecological Information

Do not discharge into sewers or water supplies

**Environmental persistence and degradability:** no data available

**Ecotoxicity:** no data available

## 13. Disposal Considerations

May be disposed of in landfill or incinerator in accordance with local, state and federal regulations.

## 14. Transport Information

14.1 Transport at land

ADR  
UN Number

RID  
Kemler

		Number
14.2 Transport at sea	Packing Group	
	Proper Shipping Name	
	ADNR	IMDG
	UN Number	
14.3 Air transport	EMS	MFAG
	Packing Group	
	Proper Shipping Name	
	ICAO / IATA-DGR	
	UN Number	
	Proper Shipping Name	
	Subsidiary Risk	
	Labels	
	Packing Group	
<b>U.S. DOT Shipping Name:</b> Not Regulated		
<b>U.S.DOT Hazard Class:</b> None		
<b>U.N. / N.A. Number:</b> None		
<b>U.S. DOT Packing Group:</b> None		
<b>Other:</b> Not considered hazardous cargo		

## 15. Regulatory Information

This product requires classification according to the criteria of EC.  
The product is a medical device according to the EC-directive 93/42.

- 15.1 UN Number
- 15.2 National regulations
- 15.3 EU Number
- 15.4 Hazard symbols
- 15.5 Hazard designation
- 15.6 Risk phrases
- 15.7 Safety phrases

**U.S.-O.S.H.A. Status:** This material is not hazardous under the criteria of the U.S. Federal Hazard Communication Standard.

## 16. Other Information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall establish a legally valid contractual relationship.

### Relevant Risk phrases

**R36/37/38:** Irritating to eyes, respiratory system and skin.  
**R43:** May cause sensitization by skin contact.  
Xi Irritant.

Material should be maintained in original containers. Empty containers should not be re-used.

### ANSI/NFPA 704 Data:

Fire = 1  
Health = 0  
Reactivity = 0  
Specific Hazard = None

This information is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, or the results to be obtained from use thereof. In no event will the manufacturer or distributor be responsible for damages of any nature whatsoever resulting from the use of, or reliance upon this information. General properties described herein are to be regarded as guides regarding the use of this material.

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