

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

070900167

N/A



**SAFETY DATA SHEET**  
 according to Regulation (EC) No. 453/2010  
 Dental Use

**Date Issued :** 02/26/2007  
**SDS No :** 152-001.4  
**Date Revised :** 05/13/2015  
**Revision No :** 3

**Patterson Blockout Resin**

**SECTION 1 : Identification of the substance/preparation and of the company/undertaking**

**1.1. Product identifier**

**Product code** : 070900167  
**Product name** : Patterson Blockout Resin  
**Product description** : Light cure laboratory block out and model resin

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Relevant identified uses** : Dental laboratory resin

**1.3. Details of the supplier of the safety data sheet**

**Manufacturer**

Patterson Companies, Inc.  
 1031 Mendota Heights Rd.  
 St. Paul, MN 55120  
 Main: 800.328.5536  
 Fax: 651.686.9331

**1.4. Emergency telephone number**

**CHEMTREC (NORTH AMERICA)** : (800) 424 - 9300  
**(INTERNATIONAL)** : +1(703) 527 - 3887

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Directive 1999/45/EC**

: The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

**Danger symbols** : Xi  
**R phrases** : R36, R43

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

**Health** : Eye Irritation, Category 2

**2.2. Label elements**

**Classification according to Directive 1999/45/EC**

**Hazard pictogram(s)** : Xi



Irritant

**R&S statement(s)** : R36: Irritating to eyes.  
 R43: May cause sensitization by skin contact.

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

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Hazard pictogram(s)

:

Exclamation  
mark

Signal Word

: WARNING

Hazard statement(s)

: H319: Causes serious eye irritation.

Precautionary statement(s)

Prevention

: P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response

: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P313: Get medical advice/attention.

Storage

: P273: Avoid release to the environment.

Disposal

: P501: Dispose of in compliance with governmental regulation.(EC 1975L0442-20/11/2003)

### 2.3. Other hazards

Immediate concerns

: None

## SECTION 3: Composition / information on ingredients

### 3.1. Substances

Not Applicable

### 3.2. Mixtures

| Chemical Name                                     | CAS        | EINECS No. | Wt. % | Classification according to Directive 67/548/EEC | Classification according to Regulation (EC) No 1272/2008 [CLP]                   |
|---|------------|------------|-------|--|--|
| Triethylene Glycol Dimethacrylate                 | 109-16-0   | 203-652-6  | < 20  | Xi; R43  | Not classified   |
| Polyalkyleneoxide Modified Heptamethyltrisiloxane | 27306-78-1 | N/A        | < 5   | Xi; R36/37                                       | Eye Irr.,Cat. 2; Aquatic Chronic,Cat. 2; Acute Tox. (I),Cat. 4; H319; H332; H411 |

For full text of H-statements and R-phrases: see SECTION 16.

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- Following eyes** : Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.
- Following skin** : Wash with soap and water.
- Following ingestion** : If swallowed in small quantity the product is harmless, otherwise consult a doctor.
- Following inhalation** : No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

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

- Eyes** : Causes eye irritation.
- Skin** : None expected for this product.
- Ingestion** : None expected for this product.
- Inhalation** : None expected for this product.

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

- Notes to physician** : Not Applicable

### SECTION 5: Fire fighting measures

#### 5.1. Extinguishing media

- Extinguishing media** : Please see Fire Fighting Equipment under Section 5.3.

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

- Hazardous combustion products** : Not Determined
- Explosion hazards** : Not Determined
- Fire explosion** : Not Determined
- Sensitive to static discharge** : Not Determined
- Sensitivity to impact** : Not Determined

#### 5.3. Advice for firefighters

- Fire fighting procedures** : As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.
- Fire fighting equipment** : Foam, dry chemical, carbon dioxide (CO<sub>2</sub>).

### SECTION 6: Accidental release measures

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

- General procedures** : Refer to Section 8 for Personal Protective Equipment.

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### 6.2. Environmental precautions

**Water spill** : Do not allow to enter sewers or drains that may lead to waterways.

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

**Small spill** : Wipe up with dry cloth and alcohol.

**Large spill** : Absorb with inert, damp non-combustible material, then wipe area with towel wetted with alcohol.

### 6.4. Reference to other sections

**Reference to other sections** : Not Applicable

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**General procedures** : Stable when stored and handled under recommended conditions.

**Handling** : Use suitable protective equipment.

**Storage** : See product labeling.

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

**Shelf life** : See product labeling

### 7.3. Specific end use(s)

**Specific end use(s)** : Dental laboratory resin

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

**Control parameters** : Not Determined

### 8.2. Exposure controls

**Eye/face protection** : Wear eye protection

**Skin protection** : Not needed for normal use.

**Respiratory protection** : Good general ventilation should be sufficient to control airborne levels.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Physical state** : Medium viscous mixture or gel

**Colour** : Green

**Odour** : Acrylic

### 9.2. Other information

**Percent volatile** : Not Determined

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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**Reactivity** : Polymerization occurs when exposed to visible light, ultraviolet light or extreme heat.

### 10.2. Chemical stability

**Chemical stability** : Sensitive to light.

### 10.3. Possibility of hazardous reactions

**Hazardous polymerization** : None

### 10.4. Conditions to avoid

**Conditions to avoid** : Oxidizing materials.

### 10.5. Incompatible materials

**Incompatible materials** : None known.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** : Carbon Dioxide

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute

**Notes** : Device is biocompatible when used as directed by dental professionals per ISO 10993-1.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Toxicity** : No data available.

**Aquatic toxicity (acute)** : Do not allow to enter sewers or drains that may lead to waterways.

**96-hour LC<sub>50</sub>** : Not Determined

**48-hour EC<sub>50</sub>** : Not Determined

**96-hour EC<sub>50</sub>** : Not Determined

### 12.2. Persistence and degradability

**Persistence and degradability** : Not Determined

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** : Not Determined

### 12.4. Mobility in soil

**Mobility in soil** : Not Determined

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** : Not Determined

### 12.6. Other adverse effects

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Environmental data : Not defined

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Disposal method : Dispose of in compliance with governmental regulation.(EC 1975L0442-20/11/2003)

### SECTION 14: Transport information

#### 14.1. UN number

UN number : N/A

#### 14.2. UN proper shipping name

UN proper shipping name : Not Dangerous Goods

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

Hazard classification : N/A

#### 14.4. Packing group

Packing group : N/A

#### 14.5. Environmental hazards

Marine pollutant #1 : N/A

#### 14.6. Special precautions for user

ADR - road : Not Dangerous Goods

RID - rail : Not Dangerous Goods

IMDG - sea : Not Dangerous Goods

IATA - air : Not Dangerous Goods

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk : Not Dangerous Goods

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

RoHS : Please refer to Medical Devices Directive 93/42/EEC

#### 15.2. Chemical safety assessment

Chemical safety assessment : See Section 11

Additional information : This product is not considered dangerous for transportation

### SECTION 16: Other information

Relevant R-phrases and/or H-statements (number and full text) : R36/37: Irritating to eyes and respiratory system.  
R43: May cause sensitization by skin contact.  
Acute Tox. (I), Cat. 4: Acute Toxicity (Inhalation), Category 4  
Aquatic Chronic, Cat. 2: Chronic Hazards to the Aquatic Environment,

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Category 2

Eye Irr., Cat. 2: Eye Irritation, Category 2

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H411: Toxic to aquatic life with long lasting effects.

**Prepared by**

: Anu Kattoju

**Revision summary**

: This SDS replaces the 05/28/2014 SDS. Revised: **Section 1:**  
**Section 2:** EMERGENCY OVERVIEW - IMMEDIATE  
 CONCERNS. **Section 4:** SIGNS AND SYMPTOMS OF OVEREXPOSURE  
 - SKIN SKIN. **Section 8:** PERSONAL PROTECTIVE EQUIPMENT -  
 SKIN. **Section 10:** HAZARDOUS POLYMERIZATION,  
 STABLE. **Section 11:** ACUTE ( ORAL LD<sub>50</sub> (rat), INHALATION LC<sub>50</sub>  
 (rat) ACUTE. **Section 14:** AIR (ICAO/IATA) - SPECIAL PROVISIONS  
 ROAD AND RAIL (ADR/RID) ( PROPER SHIPPING NAME ), VESSEL  
 (IMO/IMDG) - SPECIAL PROVISIONS ROAD AND RAIL (UK only) (CDG)  
 - SPECIAL PROVISIONS SECTION 14: Transport information. **Section**  
**15:** SECTION 15: Regulatory information.

**General statements**

: N/A= Not Applicable

**Manufacturer disclaimer**

: FOR DENTAL USE ONLY: Use as directed. The information and  
 recommendations are taken from sources (raw material SDS(s) and  
 manufacturer's knowledge) believed to be accurate; however, the  
 manufacturer, makes no warranty with respect to the accuracy of the  
 information or the suitability of the recommendation and assumes no  
 liability to any user thereof. Each user should review these  
 recommendations in the specific context of the intended use and  
 determine whether they are appropriate.