



**BruxZir®**  
**COLOR LIQUID**

Date of issue / reference: October 30, 2009  
Date of printing: November 2, 2009  
In Conformity with 91/155/CE  
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**1 Commercial product name and supplier**

- 1.1 Commercial product name
- 1.2 Designation/application/use

Bruxzir COLOR LIQUID  
Manufacture of dental restorations in dental laboratory  
Coloring liquid for shading of Bruxzir – solid zirconia crown & bridge restorations. For dental lab use only  
Prismatik Dentalcraft, Inc., 2181 Dupont Dr., Irvine, CA 92612  
Glidewell Direct, 2181 Dupont Dr., Irvine, CA 92612  
1-949-440-2600  
Glidewell Direct, 2181 Dupont Dr., Irvine, CA 92612

- 1.3 Producer

- 1.4 Supplier

- 1.5 TOX Emergency Number

- 1.6 Product Nr.

**2 Composition**

- 2.1 Chemical Characterization

Polyethylen Glycol (CAS Nr. 25322-68-3)  
Ferric Chloride (CAS Nr. 77050-08-0)  
Manganese Chloride (CAS Nr. 13446-34-9)  
Chromium Chloride (CAS Nr. 10025-73-7)  
None

- 2.2 Hazardous Components

**3 Hazard Identification**

- 3.1 Adverse human effects and symptoms

May cause mild irritation to eyes, respiratory system or skin.

**4 First Aid measures**

- 4.1 Eye contact

Immediately flush with plenty of water for 10-15 minutes.

Lift eye lid to ensure thorough flush. If irritation persists consult physician

- 4.2 Skin contact

Thoroughly wash with water and soap. If irritation persists consult physician

- 4.3 Ingestion

Do not induce vomiting. Flush mouth with plenty of water if person is conscious. Contact physician. Move person into fresh air. If irritation persists see physician.

- 4.4 Inhalation

Move person into fresh air. If irritation persists consult physician.

**5 Fire fighting measures**

- 5.1 Flammability

No – No special fire fighting measures required

- 5.2 Other information

Toxic fumes may be released due to heat during fire. Protective clothing and suitable respiratory protection is required.

**6 Accidental release measures**

- 6.1 Personal Precautions

Minimize direct contact with skin and eyes and inhalation of fumes through suitable protective measures. Ventilate room sufficiently.

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### 6.2 Methods for Cleaning:

Environmental Precautions: Avoid spilling into drains and waterways. Dispose of at toxic waste collection point. Do not mix with normal refuse  
Use inorganic fluid-absorbing material (diatomaceous earth or universal binder) to pick up. Collect spilled material as well as possible and store in acid-proof container (Polyethylene...).  
Clean up mechanically.

## 7 Handling and storage

### 7.1 Handling

Only by trained personnel – Keep out of reach of children

### 7.2 Industrial hygiene

Do not inhale fumes. Avoid skin contact.

### 7.3 Storage

Keep under temperature of 8°C

### 7.4 Processing

Wear protective glasses and rubber gloves.

### 7.5 Further indications for storage

not required

## 8 Exposure controls/personal protection

### 8.1 Technical equipment

Provide adequate local ventilation (see point 7 for further information)

### 8.2 Additional indications:

the basis for the indications are the guidelines contained in the regulatory lists in force at the moment of release of the data sheet

### 8.3 Personal protective equipment

#### 8.3.1 Respiratory protection

Face mask

#### 8.3.2 Hand protection

Rubber gloves

##### 8.3.2.1 Material of gloves

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##### 8.3.2.2. soak-through time

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#### 8.3.3 Eye protection

Glasses

#### 8.3.4 General measures

Not defined

### 8.4 For further information contact

ACGIH: American Conference of Governmental Industrial Hygienists.

OSHA: Occupational Safety and Health Association

AIHA: American Industrial Hygiene Ass. Workplace Environmental Exposure Level (WEEL)

## 9 Physical and chemical properties

### 9.1 Form

Liquid

### 9.2 Color

Yellowish

### 9.3 Odor

Distinctive

### 9.4 Changes in physical state

#### 9.4.1 Melting point/sphere

N/A

#### 9.4.2 Boiling point/sphere

100 degrees C

### 9.5 Density at 20°C 1g/cm<sup>3</sup>

### 9.6 Solubility Water

Complete

### 9.7 Flash point

N/A

### 9.8 Ignition temperature

N/A

### 9.12 Explosion limits

No risk of explosion

## 10 Stability and reactivity

### 10.1 Chemical Stability

Yes

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10.2 Hazardous decomposition products	none
10.3 Hazardous reactions	none
10.4 Further information	none

### 11 Toxicological information

For further information on toxicity of product and components please contact address at page 1

### 12 Ecological information

12.1 Biodegradability	Not defined
12.2 Further details	No adverse ecological effects if handled and used according to manufacturer's specifications

### 13 Disposal considerations

13.1 Product	Dispose of according to local and governmental regulations with regards to toxic waste treatment.
13.2 Number of	

### 14 Transport information

14.1 Numbers	LE-F100-0100-2, 70-2011-1461-1, 70-2011-1462-9, 70-2011-1463-7, 70-2011-14645, 70-2011-1465-2, 70-2011-1466-0, 70-2011-1467-8
14.2 Transport at land:	GGVE / GGVS Class --- Cipher--- RID / ADR Class --- Cipher---
14.3 Transport at sea	GGV See Class --- Cipher--- Marine pollutant: NO
14.4 Air transport:	ICAO-TI / IATA-DGR Class ---
14.5 Further information	Product is not classified for any mode of transportation.

### 15 Regulatory information

15.1 Regulations	This product does not require classification according to the criteria of the EC. European Directive 93/42 for medical products
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### 16 Further information

16.1 Hazard Rating	Health 1 (slight)
	Flammability 0 (minimal)
	Reactivity 0 (minimal)
16.2 Specific Dangers	None

*The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not have the meaning of guarantees on properties.*