

**COLOUR LIQUID**

Date of issue / reference: 17/08/2004

Date of printing: 22/03/2006

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

**COLOUR LIQUID**

Manufacture of dental prostheses in dental laboratory  
 Colouring liquid for shading of ICE Zirkon – zirconia crown &  
 bridge frame work. For dental lab use only

1.3 Producer  
 1.4 Supplier  
 1.5 TOX Emergency Number

Zirkonzahn GmbH, G. Verdi Str. 18, IT – 39031 Bruneck  
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 +39/0474 370100  
 Zirkonzahn GmbH, G. Verdi Str. 18, IT – 39031 Bruneck

1.6 Produkt 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)

2.2 Hazardous Components

None

**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.  
 Environmental Precautions: Avoid spilling into drains and waterways.  
 Dispose of at toxic waste collection point. Do not mix with normal  
 refuse

6.2 Methods for Cleaning:

Use inorganic fluid-absorbing material (diatomaceous earth or  
 universal binder) to pick up. Collect spilled material as well as

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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	-----
8.3.2.2. soak-through time	-----
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 Colour	Yellowish
9.3 Odour	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
10.2 Hazardous decomposition products	none
10.3 Hazardous reactions	none

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10.4 Further information none

**11 Toxicological information**

For further information on toxicity of the product and the 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

**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.*