

# SAFETY DATA SHEET



TECHNOLOGY® Dental Materials Production

TOP CERA GLAZER

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Complying with 1907/2006/EEC Regulation of 18 December 2006 ("REACH Regulation") and REGULATION (EC) No 1272/2008 (CLP)

## Section 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

**Product name:** TOP CERA GLAZER

**Trade Name:** TOP CERA GLAZER

**Product type:** Liquid

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

Ceramic glaze liquid.

### 1.3 Details of the supplier of the safety data sheet

DS TECHNOLOGY

23 HAMELAHIM ST

BEER-SHEVA ISRAEL 84510

Tel: +972-722829896, +972-772006636

**E-mail address of person responsible for this SDS:** N/A

### 1.4 Emergency telephone number

**Emergency telephone number (with hours of operation):** N/A

## Section 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC (DSD) or 1999/45/EC

Product name	EU Classification
TOP CERA GLAZER	Xn; R22

### 2.2 Label elements

Labelling in accordance with 1999/45 (DPD)

**Hazard symbol(s):**

Xn – harmful



**Risk phrase(s):**

R22: Harmful if swallowed.

**Safety phrase(s):**

S02: Keep out of the reach of children.

### 2.3 Other hazard

None

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## Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Substance/preparation:

Product/ Ingredient name	Identifiers	%	EU Classification
Ethylene glycol	CAS number: 107-21-1 EC number: 203-473-3	40-50	Xn; R22

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8.  
See section 16 for the full text of the R-phrases declared above.

## Section 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**Eyes contact:** In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Get medical attention.

**Skin contact:** In case of contact with skin wash off immediately with plenty of water for at least 10 minutes, and seek medical advice.

**Inhalation:** Remove from site of exposure to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration. Get medical attention.

**Ingestion:** Do NOT induce vomiting. Wash mouth thoroughly with plenty of water. Never give anything to an unconscious person. Get medical attention.

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

Harmful if swallowed.

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

**Notes to physician:** No specific antidote, contact Poisons Information Center. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5: FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable: Use appropriate extinguishing media for substances around.

Not suitable: N/A

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

Thermal decomposition can lead to release of irritating and toxic fumes.

### 5.3 Advice for firefighters

**Special protective equipment for fire fighters:** Fire fighters should wear full protective clothing and self-contained breathing apparatus in positive pressure mode.

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## Section 6: ACCIDENTAL RELEASE MEASURES

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

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

### 6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

### 6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

Large spill: As for small spill

**Personal Protection in Case of Large Spill:** Safety glasses. Full suit. Suitable respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product.

### 6.4 Reference to other sections

See Section 13 for additional waste treatment information.

## Section 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

**Handling:** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Wash thoroughly with water after handling. Handle in accordance with good industrial hygiene and safety practice.

**Hygiene Measures:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information measures.

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

**Storage:** Store in a dry place. Keep containers tightly closed. Store at 12°C-28°C.

**7.3 Specific end use(s):** N/A

## Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

### 8.1 Control parameters

**Occupational exposure limit values:**

<b>Ingredient name</b>	<b>Occupational exposure limits</b>
Ethylene glycol	ACGIH-TLV CL 100 mg/m <sup>3</sup> (CEIL), aerosol GER-MAK 26 mg/m <sup>3</sup> (TWA)

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### 8.2 Exposure controls

#### Engineering Measures

Use process enclosures, local exhaust ventilation, or others engineering controls to keep airborne levels below recommend exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

#### Person Protective measures

Respiratory protection: Suitable respirator. Be sure to use approved/certified or equivalent equipment. Wear appropriate respirator when ventilation is inadequate.

Eye/face protection: Wear protective safety glasses, goggles.

Skin protection: Wear appropriate long-sleeved clothing to minimize skin contact.

Hand protection: Wear protective disposable gloves to prevent skin exposure.

**Environmental exposure controls:** N/A

## **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

### 9.1 Information on basic physical and chemical properties

Appearance: Transparent colorless liquid

Odour: odorless

Odour threshold: N/A

pH: ~7

Melting point/Freezing point: N/A

Initial boiling point/boiling range: N/A

Flash point: 100°C

Evaporation rate: N/A

Flammability: N/A

Upper/lower flammability or explosive limits: N/A

Vapor pressure: N/A

Vapor density: N/A

Relative Density: N/A

Solubility(ies): Soluble in water

Partition coefficient Octanol/Water: N/A

Auto-ignition temperature: N/A

Decomposition temperature: N/A

Viscosity: N/A

Explosive properties: N/A

Oxidizing properties: N/A

### 9.2 Other information

N/A

## **Section 10: STABILITY AND REACTIVITY**

### 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients

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### **10.2 Chemical stability**

The product is stable under normal handling and storage conditions described in Section 7.

### **10.3 Possibility of hazardous reactions**

Under normal conditions of storage and use, hazardous reactions will not occur.

### **10.4 Conditions to avoid**

Not available

### **10.5 Incompatible materials**

Not available

### **10.6 Hazardous Decomposition products**

Not available

## **Section 11: TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

#### **Acute toxicity:**

<b>Product/ingredient name</b>	<b>Test</b>	<b>Species</b>	<b>Dose</b>
Ethylene glycol	LD50, Oral	Rat	4700 mg/kg

**Irritation:** N/A

**Corrosivity:** N/A

**Sensitization:** N/A

**Repeated dose toxicity:** N/A

#### **Carcinogenicity:**

Ethylene glycol:

ACGIH A4- Not classifiable as a human carcinogen.

**Mutagenicity:** N/A

**Toxicity for reproduction:** N/A

**Other information:** Harmful if swallowed.

## **Section 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity:** N/A

**12.2 Persistence and Degradability:** N/A

**12.3 Bioaccumulative potential:** N/A

**12.4 Mobility in soil:** N/A

**12.5 Results of PBT and vPvB assessment:** N/A

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**12.6 Other adverse effects:** N/A

## Section 13: DISPOSAL CONSIDERATIONS

### **13.1 Waste treatment methods**

#### **Product**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

#### **Packing**

Empty containers should be taken for local recycling, recovery or waste disposal.

## Section 14: TRANSPORT INFORMATION

### **14.1 Un number:**

ADR/RID: -

IMDG: -

IATA: -

### **14.2 Proper shipping name:**

ADR/RID: Not regulated.

IMDG: Not regulated.

IATA: Not regulated.

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

ADR/RID: -

IMDG: -

IATA: -

### **14.4 Packing group**

ADR/RID: -

IMDG: -

IATA: -

### **14.5 Environmental hazard**

ADR/RID: -

IMDG: -

IATA: -

### **14.6 Special precautions for user**

Not available

### **Additional information**

ADR/RID: -

IMDG: -

IATA: -

### **14.7 Transport to bulk according to Annex II of MARPOL 79/78 and the IBC Code**

Not available

## Section 15: REGULATORY INFORMATION

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

EU Directives 67/548/EEC and 1999/45/EC (including amendments)

EU Regulation(EC) No.1907/2006 (REACH)

### **15.2 Chemical safety assessment**

N/A

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### Section 16: OTHER INFORMATION

#### Full text of R-phrases referred to in sections 3:

R22: Harmful if swallowed.

#### Safety phrases:

S02: Keep out of the reach of children.

**Training advice:** Before using/handling the product one must read carefully present MSDS.

**Recommended restriction:** N/A

Key Legend Information:

ACGIH- American Conference of Governmental Industrial Hygienists

OSHA- Occupational Safety and Health Administration

NTP- National Toxicology program

IARC- International Agency for Research on Cancer

ND- Not Determined

N/A- Not available

R-phrases- Risk phrases

S-phrases- Safety phrases

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To the best of our knowledge the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.