

## Safety Data Sheet

Safety Data Sheet (in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 453/2010)

Date Issued: 22 June 2009  
 Document Number: 0030052MS  
 Date Revised: 12 August 2014  
 Revision Number:4

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product Identifier:**

Trade Name (as labeled):	<b>Topex® Brilliance™ Micrograin™ Diamond Polishing Paste</b>
Part/Item Number:	AD30052

**1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:**

Recommended Use:	Polishing paste for bridges, crowns and inlays
Restrictions on Use:	For professional use only

**1.3 Details of the Supplier of the Safety Data Sheet:**

Manufacturer/Supplier Name:	Sultan Healthcare
Manufacturer/Supplier Address:	1301 Smile Way York, PA, USA
Manufacturer/Supplier Telephone Number:	1-201-871-1232 or 800-637-8582 (Product Information)-
Email address:	<a href="mailto:customer.service@sultanhc.com">customer.service@sultanhc.com</a>

**1.4 Emergency Telephone Number:**

Emergency Contact Telephone Number:	800-535-5053 (INFOTRAC) 1-352-323-3500 (Outside the United States – Call Collect)
-------------------------------------	---

### 2. HAZARD(s) IDENTIFICATION

**2.1 Classification of the Substance or Mixture**

**GHS SDS Classification**

Health	Environmental	Physical
Not hazardous	Not hazardous	Not hazardous

**EU Classification (1999/45/EC as amended):** Not a dangerous preparation

**2.2 Labeling Elements:** Not required

**2.3 Other Hazards:** None

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

#### 3.2 Mixture

Hazardous Components	C.A.S. # EC#	IUPAC Name	CLP/GHS / EU Classification (1272/2008) (1999/45/EC)	WT %
Polypropylene Glycol	25322-69-4 / Not available	2-(2-hydroxypropoxy)propan-1-ol	Not classified as hazardous	90-100%

Refer to Section 16 for the full text of the GHS and H phrases and EU Classifications and R Phrases.

### 4. FIRST-AID MEASURES

#### 4.1 Description of First Aid Measures:

Routes of Exposure	First Aid Instructions
Eye	Flush eyes with water, holding the eyelids apart. Do not rub eyes. Get medical attention if irritation persists.
Skin	No first aid should be needed. Rinse off with water.
Inhalation	None needed under normal use conditions
Ingestion	If large amounts are swallowed, seek medical advice.

#### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

Direct contact may cause eye irritation.

#### 4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:

None required under normal conditions of use.

**Note to Physicians (Treatment, Testing, and Monitoring):** Treatment of overexposure should be directed at the control of symptoms and clinical conditions.

### 5. FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing Media





Use media appropriate for surrounding fire.

#### 5.2 Special Hazards Arising from the Substance or Mixture:


None known

#### 5.3 Advice for Fire-Fighters:

<b>Fire Fighting Procedures:</b>	Cool fire exposed containers and structures with water.
<b>Precautions for Fire Fighters:</b>	Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals..

Recommended Protective Equipment for Fire Fighters:			
EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

## 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:			
For large spills, wear eye protection. Small spills do not require special precautions.			
Recommended Personal Protective Equipment for Containment and Clean-up:			
EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

6.2 Environmental Precautions:
Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

6.3 Methods and Material for Containment and Cleaning up:
Collect using an inert non-combustible absorbent material and place in appropriate containers for disposal.

6.4 Reference to Other Sections:
Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

## 7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:
Avoid contact with the eyes. Use in accordance with package instructions.
7.2 Conditions for Safe Storage, Including Any Incompatibilities:
Store at room temperature (15-83°F / -12-30°C).
7.3 Specific End Use (s):
For professional use only.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters:

#### Occupational Exposure Limits

Polypropylene Glycol	United States	10 mg/m <sup>3</sup> TWA AIHA WEEL
	Germany	None Established
	United Kingdom	None Established
	France	None Established
	Spain	None Established
	Italy	None Established
	European Union	None Established

**Biological Exposure Limits:** None Established

### 8.2 Exposure Controls:

**Appropriate Engineering Controls:** No special controls required.

#### Individual Protection Measures (PPE)


**Specific Eye/face Protection:** Avoid eye contact. Safety glasses should be worn if contact is likely.

**Specific Skin Protection:** None normally required.

**Specific Respiratory Protection:** None required under normal use conditions.

**Specific Thermal Hazards:** Not applicable

#### Recommended Personal Protective Equipment

EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical and Chemical Properties:

<b>Appearance:</b>	White paste	<b>Explosive limits:</b>	Not applicable
<b>Odor:</b>	Peppermint odor	<b>Vapor pressure:</b>	Negligible
<b>Odor threshold:</b>	340 ppm (polypropylene glycol)	<b>Vapor density:</b>	Not available

<b>pH:</b>	Not available	<b>Relative density:</b>	1.8
<b>Melting/freezing point:</b>	Not available	<b>Solubility:</b>	Partially Soluble
<b>Initial boiling point and range:</b>	Not available	<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Flash point:</b>	177°C / 350°F	<b>Auto-ignition temperature:</b>	Not available
<b>Evaporation rate:</b>	Not available	<b>Decomposition temperature:</b>	Not available
<b>Flammability:</b>	Not flammable	<b>Viscosity:</b>	Not available
<b>Explosive Properties:</b>	LEL: 2.6% (polypropylene glycol) UEL: 12.5% (polypropylene glycol)	<b>Oxidizing Properties:</b>	None

**9.2 Other Information:** None available

## 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** Not reactive.

**10.2 Chemical Stability:** Stable.

**10.3 Possibility of Hazardous Reactions:** Contact with strong oxidizing agents may cause fire.

**10.4 Conditions to Avoid:** None Known

**10.5 Incompatible materials:** Avoid oxidizing agents.

**10.6 Hazardous Decomposition Products:** Thermal decomposition may produce carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects:

#### **Potential Health Effects:**

Eyes: May cause mild irritation with redness and tearing. Mechanical (abrasive) irritation may also occur. Propylene glycol is slightly irritating to rabbit eyes.

Skin: No adverse effects expected. Propylene glycol is not irritating to rabbit or human skin.

Ingestion: Swallowing large amounts may cause nausea, vomiting and diarrhea.

**Inhalation:** No adverse effects are expected.

**Chronic Health Effects:** None known.

**Carcinogenicity:** None of the other components of this product are listed as carcinogens by OSHA, IARC, ACGIH, NTP or EU Directives.

**Mutagenicity:** No data available. Polypropylene glycol is not expected to cause mutagenic effects.

**Medical Conditions Aggravated by Exposure:** Employees with pre-existing skin disorders may be at increased risk from exposure.

**Acute Toxicity Data:**

Polypropylene glycol: Oral rat LD50 21 g/kg

**Reproductive Toxicity Data:** No data available. Polypropylene glycol is not expected to cause adverse reproductive effects.

**Specific Target Organ Toxicity (STOT):**

**Single Exposure:** Single and repeated application of propylene glycol to rabbit skin did not cause irritation to intact skin. Repeated application to abraded skin causes mild irritation. Results were negative in a mouse external ear swelling sensitization test and negative and positive in guinea pig maximum test. Direct contact with rabbit eyes showed slight transient pain and conjunctival irritation but no corneal damage.

**Repeated Exposure:** Rats maintained for 100 days on a diet of propylene glycol exhibited only a slight increase in liver and kidney weights without histological changes. Hematological studies failed to reveal any abnormalities.

## 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:**

Propylene glycol: 96 hr LC50 *Lepomis macrochirus* (Bluegill) 1,700,000 ug/L

**12.2 Persistence and Degradability:** Polypropylene glycol is readily biodegradable.

**12.3 Bio-accumulative Potential:** Not expected to bio-accumulate.

**12.4 Mobility in Soil:** No data available.

**12.5 Other Adverse Effects:** No adverse effects are expected

**12.6 Results of PBT/vPvB Assessment:** Not required.

## 13. DISPOSAL CONSIDERATIONS

**13.1 Waste Treatment Methods:**

**Regulations:** Dispose in accordance with local and national environmental regulations.

**Properties (Physical/Chemical) Affecting Disposal:** None known.

**Waste Treatment Recommendations:** None needed.

## 14. TRANSPORT INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
DOT	None	Not Regulated	None	None	No
ADR/RID	None	Not Regulated	None	None	No
IMDG	None	Not Regulated	None	None	No
IATA/ICAO	None	Not Regulated	None	None	No

**14.6 Special precautions for user:** Not Applicable

**14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable – product is transported only in packaged form.

## 15. REGULATORY INFORMATION

### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

#### U.S. Federal Regulations

**Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):** This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**Toxic Substances Control Act (TSCA):** This product is a medical device and not subject to chemical notification requirements.

**Clean Water Act (CWA):** Not Listed

**Clean Air Act (CAA):** Not Listed

#### **Superfund Amendments and Reauthorization Act (SARA) Title III Information:**

##### **SARA Section 311/312 (40 CFR 370) Hazard Categories:**

<b>Immediate Hazard:</b>	No	<b>Pressure Hazard:</b>	No
<b>Delayed Hazard:</b>	No	<b>Reactivity Hazard:</b>	No
<b>Fire Hazard:</b>	No		

**This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):**

Components	C.A.S. #	WT %
None		

### **State Regulations**

**California:** This product contains the following chemical(s) known to the State of California to cause cancer, birth defects or reproductive harm:

<b>Components</b>	<b>C.A.S. #</b>	<b>WT %</b>
None		

### **International Regulations**

**EU REACH:** The substances in this product comply with the EU REACH regulation as applicable.

## **16. OTHER INFORMATION**

Full text of Classification abbreviations used in Section 2 and 3:

None.

Supersedes: 26 August 2011

Revision Summary: Comprehensive review, new format

Date of SDS Preparation/Revision: 12 August 2014

Data Sources: US NLM ChemID Plus and HSDB, Substance SDS for components, IUCLID Dataset EU Chemical Bureau, ESIS, Country websites for occupational exposure limits.