



**DENTAL  
TECHNOLOGIES**

## Safety Data Sheet

Safety Data Sheet (in compliance with 29 CFR Part 1200 and 29 CFR Part 1020)

Document Number: SDS 014.004

Date Revised: 02/22/24

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

#### 1.1 Product Identifier:

**Trade Name (as labeled):** Polycarboxylate Cement, Liquid and Powder  
**Product Form:** Mixture  
**Part/Item Number:** 306-0100-002, 306-0200-002

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

**Recommended Use:** Cement  
**Restrictions on Use:** For Professional Use Only

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

**Manufacturer/Supplier Name:** Dental Technologies, Inc.  
**Manufacturer/Supplier Address:** 6901 N. Hamlin Avenue  
 Lincolnwood, IL 60712  
**Manufacturer/Supplier Telephone Number:** 800-835-0885 or 847-677-5500 (Product Information)  
**Email address:** [info@dentaltech.com](mailto:info@dentaltech.com)

#### 1.4 Emergency Telephone Number:

**Emergency Contact Telephone Number:** Chemtrec  
 800-424-9300 (USA)  
 001-703-527-3887 (Outside USA)

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the Substance or Mixture:

GHS Classification:		
Health	Environmental	Physical
Skin Irritant 2 (H315) Eye Irritant 2A (H319)	Not Hazardous	Not Hazardous

#### 2.2 Label Elements:

Hazard pictograms (GHS-US)



GHS07

**Signal Word:** Warning

Hazard Phrases	Precautionary Phrases
H315 - Causes skin irritation H319 - Causes serious eye irritation	P264 – Wash hands thoroughly after handling. P280 – Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 – IF ON SKIN: wash with plenty of water. P332+P313 – IF SKIN irritation occurs: Get medical advice/attention. P362 – Take off contaminated clothing. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 – IF eye irritation persists: Get medical advice/attention.

**2.3 Other Hazards:** None known.**2.4 Unknown acute toxicity (GHS-US):** No data available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substances:** Not Applicable**3.2 Mixture:**

Hazardous Components	C.A.S. #	Classification	WT %
Polyacrylic Acid	9003-01-4	Skin Irrit. 2, H315 Eye Irrit. 2A, H319	25-50%

The exact concentration is being withheld as a trade secret.

Refer to Section 16 for the full text of the GHS Classifications.

### 4. FIRST AID MEASURES

**4.1 Description of First Aid Measures:**

<b>Eye</b>	Flush with plenty of water for at least 15 minutes. Call a physician.
<b>Skin</b>	Wash skin thoroughly with soap and water. Remove contaminated clothing.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	Do not induce vomiting. Give large quantities of water. Call physician.

**4.2 Most Important Symptoms and Effects, Both Acute and Delayed:****Skin:** Irritation, defatting, or dermatitis.**Eyes:** Severe eye irritation, redness, tearing, or blurred vision.**Inhalation:** respiratory irritation, dizziness, nausea.**4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:**

Medical Attention should be sought if the product is ingested or comes in contact with eyes.





**Note to Physicians (Treatment, Testing, and Monitoring):** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>5.1 Extinguishing Media:</b>	Carbon dioxide, dry chemical, or appropriate foam.
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<b>5.2 Special Hazards Arising from the Substance or Mixture:</b>
May produce hazardous fumes.

<b>5.3 Advice for Fire-Fighters:</b>	
<b>Fire Fighting Procedures:</b>	General: Evacuate all personnel; use protective equipment for fire-fighting. Wear full protective equipment including self-contained breathing apparatus, use water only as blanket. Water may spread fire (product floats on water).
<b>Precautions for Fire Fighters:</b>	Firefighters should wear full emergency equipment and approved positive pressure self-containing breathing apparatus.

<b>Recommended Protective Equipment for Fire Fighters:</b>			
<b>EYES/FACE</b>	<b>HANDS</b>	<b>RESPIRATORY</b>	<b>THERMAL</b>
			

**6. ACCIDENTAL RELEASE MEASURES**

<b>6.1 Personal Precautions, Protective Equipment and Emergency Procedures:</b>
Remove all ignition sources such as open flames, spark producing equipment, pilot lights, etc. Avoid contact with skin, eyes, or clothing. Wear appropriate protective clothing as described in Section 8.

<b>Recommended Personal Protective Equipment for Containment and Clean-up:</b>			
<b>EYES/FACE</b>	<b>HANDS</b>	<b>RESPIRATORY</b>	<b>SKIN</b>
			

<b>6.2 Environmental Precautions:</b>
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into environment must be avoided.

<b>6.3 Methods and Material for Containment and Cleaning up:</b>
Clean up with absorbent material and remove residue with alcohol damp wipe. Rinse spill area with water. Use non-sparking tools and equipment.

<b>6.4 Reference to Other Sections:</b>
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, skin, and clothing. Wear protective clothing and equipment as describe in Section 8. Wash thoroughly after handling. Keep away from heat, sparks, flames, and other sources of ignition.

### 7.2 Conditions for Safe Storage, Including Any Incompatibilities:

Store in a cool, dry, well ventilated area away from heat, direct sunlight, and all sources of ignition. Store away from incompatible materials. Keep container tightly closed.

**7.3 Specific End Use (s):** No specific end use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control Parameters:** No additional information available.

### 8.2 Exposure Controls:

**Appropriate Engineering Controls:** None required under normal product handling conditions.

#### Individual Protection Measures (PPE)




**Specific Eye/face Protection:** Chemical safety goggles should be worn if needed to avoid eye contact.

**Specific Skin Protection:** Wear impervious gloves such as natural rubber or neoprene if needed to avoid skin contact. Consult glove supplier for thickness and breakthrough times. Wash hands thoroughly after using.

**Specific Respiratory Protection:** Wear respirator with organic vapor cartridge. No extra protection is necessary with local exhaust.

**Specific Thermal Hazards:** None required.

#### Recommended Personal Protective Equipment

EYES/FACE	HANDS	RESPIRATORY	SKIN
			

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Color:</b>	Liquid: Colorless Powder: Pale yellow	<b>Clarity:</b>	No data available
<b>Appearance:</b>	Liquid: Viscous liquid Powder: Fine Powder	<b>Specific gravity:</b>	Liquid: 1.10-1.30
<b>Odor:</b>	No data available	<b>Refractive Index:</b>	No data available

<b>Odor threshold:</b>	No data available	<b>Vapor pressure (mmHg):</b>	No data available
<b>pH:</b>	No data available	<b>Vapor density:</b>	No data available
<b>Melting/freezing point:</b>	No data available	<b>Solubility(ies):</b>	No data available
<b>Initial boiling point and boiling range:</b>	No data available	<b>Partition coefficient: n-octanol/water:</b>	No data available
<b>Flash point:</b>	No data available	<b>Auto-ignition temperature:</b>	No data available
<b>Evaporation rate:</b>	No data available	<b>Decomposition temperature:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available	<b>Viscosity:</b>	No data available
<b>Explosive Properties:</b>	No data available	<b>Oxidizing Properties:</b>	No data available

**9.2 Other Information:** None available.

## 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** Stable at ambient temperature and under normal conditions of use.

**10.2 Chemical Stability:** Stable at standard temperature and pressure.

**10.3 Possibility of Hazardous Reactions:** None known.

**10.4 Conditions to Avoid:** Keep away from heat, sparks, incompatible materials, flames, and other sources of ignition.

**10.5 Incompatible materials:** High temperatures, strong oxidizing agents. Keep away from sunlight and open flames.

**10.6 Hazardous Decomposition Products:** Toxic fumes of carbon monoxide, carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects:

Chronic Effects:	No chronic health effects reported.
Target Organs:	No target organs reported.
Carcinogenicity:	Not classified.

## 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:** No data available.

**12.2 Persistence and Degradability:** No data available.

**12.3 Bio-accumulative Potential:** No data available.

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

**12.5 Results of PBT and vPvB Assessment:** No data available.

**12.6 Other Adverse Effects:** No data available.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste Treatment Methods:

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

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

**Waste Treatment Recommendations:** Dispose in accordance with national and local regulations.

### 14. TRANSPORT INFORMATION

#### 14.1. UN number

UN number 1760

#### 14.2. UN proper shipping name

UN proper shipping name: Corrosive liquids, n.o.s.

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

Hazard classification: 8

#### 14.4. Packing group

Packaging group: III

#### 14.5. Environmental hazards

Not applicable

#### 14.6. Special precautions for user

Not applicable

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

Not applicable

### 15. REGULATORY INFORMATION

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

##### U.S. Federal Regulations

EPA Registration Number: Not Applicable

TSCA – All intentionally added components of this product are listed on the US TSCA Inventory.

SARA 313/302/304/311/312 chemicals: None

##### U.S. States

None required.

**15.2 Chemical Safety Assessment:** None required.

### 16. OTHER INFORMATION

HMIS Hazard Rating:

Health: 1	Flammability: 0	Reactivity: 0
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Full text of Classification abbreviations used in Section 2 and 3:

H315	Skin corrosion/irritation Category 2
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H319	Serious eye damage/eye irritation Category 2A
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Supersedes: October 20, 2020

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Change Control Document #: DCN 7747, 9288

Revision Summary: October 20, 2020: Converted MSDS to SDS, merged liquid and powder information. Updated all sections. February 22, 2024: Updated to revised GF-404 Rev001 Template.

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

Manufacturer disclaimer:

FOR DENTAL USE ONLY. The information and recommendations are taken from sources (raw material MSDS(s), SDS(s) and manufacturers 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.