1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: GC Fuji Ortho Band Paste Pak Paste A  
PRODUCT DESCRIPTION: Glass Ionomer Orthodontic Band Cement Paste A  
PRODUCT CODE: 439460; 001888

MANUFACTURER  
GC America, Inc.  
3737 West 127th Street  
Alsip, IL 60803  
Product Stewardship: 1-800-323-7063

DISTRIBUTOR  
Ortho Technology, Inc  
17401 Commerce Park Boulevard  
Tampa, FL 33647  
E-Mail: ljohnson@orthotechnology.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Blue Paste

POTENTIAL HEALTH EFFECTS

EYES: Mild irritant  
SKIN: Mild irritant  
INGESTION: Mild irritant  
INHALATION: Mild irritant

SIGNS AND SYMPTOMS OF OVEREXPOSURE

SKIN: Repeated contact with skin may cause reddening and irritation.  
INGESTION: No adverse effects are expected. Seek medical attention of necessary.  
ACUTE TOXICITY: Contains silica glass, which is considered a hazard by inhalation. IARC has classified it as a probable carcinogenic for humans. Dusts of silica glass is also a known cause of silicosis, a non-cancerous lung disease.  
MEDICAL CONDITIONS AGGRAVATED: May aggravate preexisting upper respiratory and lung disease.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT(S)</th>
<th>CAS</th>
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<tbody>
<tr>
<td>Alumino silicate glass</td>
<td></td>
</tr>
<tr>
<td>2-Hydroxyethyl Methacrylate</td>
<td>868-77-9</td>
</tr>
<tr>
<td>Urethane Dimethacrylate</td>
<td>72868-86-4</td>
</tr>
<tr>
<td>Silicon Dioxide</td>
<td>7631-86-9</td>
</tr>
</tbody>
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4. FIRST AID MEASURES

EYES: Flush with copious amounts of water.  
SKIN: Wash with soap and water.  
INGESTION: Do not induce vomiting - give large volumes of water. Seek medical attention.  
INHALATION: Move to fresh air
5. FIRE FIGHTING MEASURES

**FLAMMABLE LIMITS:** Not flammable  
**AUTOIGNITION TEMPERATURE:** Not Determined  
**EXTINGUISHING MEDIA:** Material is not combustible. Use extinguishing media appropriate to the surrounding area.  
**HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide, carbon monoxide  
**EXPLOSION HAZARDS:** None Reported  
**FIRE FIGHTING PROCEDURES:** Not Applicable  
**FIRE FIGHTING EQUIPMENT:** Use full protective clothing and self contained breathing apparatus.  
**FIRE EXPLOSION:** Not established  
**HAZARDOUS DECOMPOSITION PRODUCTS:** At elevated temperatures various fluoride compounds will be liberated, including toxic hydrogen fluoride and sodium potassium fluoride.

6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Avoid generating dust while sweeping. If an excessive amount of dust is generated use a filter equipped vacuum and MSHA/NIOSH approved mask.  
**SPECIAL PROTECTIVE EQUIPMENT:** Glove and eye protection suggested

7. HANDLING AND STORAGE

**HANDLING:** To be handled by qualified dental professionals.  
**STORAGE:** Store at normal room temperatures and humidity.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**PERSONAL PROTECTIVE EQUIPMENT**  
**EYES AND FACE:** Safety glasses or splash goggles  
**SKIN:** Wear lab coat and compatible chemical-resistant gloves.  
**PROTECTIVE CLOTHING:** Wear lab coat  
**WORK HYGIENIC PRACTICES:** Follow safe hygienic practices.  
**OTHER USE PRECAUTIONS:** Eyewash station

9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Blue paste  
**ODOR:** Odorless  
**COLOR:** Blue  
**VAPOR PRESSURE:** Not Established  
**VAPOR DENSITY:** Not established  
**BOILING POINT:** Not Established  
**MELTING POINT:** Not Established  
**SOLUBILITY IN WATER:** Insoluble, Flux alone (inside the Pellets) is water soluble
10. STABILITY AND REACTIVITY

STABILITY: Stable.
POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Avoid high temperatures and humidity
POSSIBILITY OF HAZARDOUS REACTIONS: None known.
HAZARDOUS DECOMPOSITION PRODUCTS: At elevated temperatures various fluoride compounds will be liberated, including toxic hydrogen fluoride and sodium potassium fluoride.
INCOMPATIBLE MATERIALS: Contains silica glass. Avoid contact with hydrofluoric acid. Contact with acids liberates hydrogen fluoride gas which is toxic and corrosive.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Irritation to the eyes can occur
SKIN EFFECTS: Irritation to the skin can occur
CARCINOGENICITY
Notes: IARC has classified it as a probable carcinogenic for humans (Group 2A). Dusts of silica glass is also a known cause of silicosis, a non-cancerous lung disease.

12. ECOLOGICAL INFORMATION

COMMENTS: Not Available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all local, state and federal regulations. Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations

14. TRANSPORT INFORMATION

COMMENTS: Not Established

15. REGULATORY INFORMATION

EUROPEAN COMMUNITY

EEC LABEL SYMBOL AND CLASSIFICATION
"Xi" - Irritant

GENERAL COMMENTS: R21: Harmful in contact with skin; S24: Avoid contact with skin.

16. OTHER INFORMATION

REASON FOR ISSUE: New MSDS Format
GC Fuji Ortho Band Paste Pak Paste A

APPROVED BY: Jodi Hutchins  TITLE: Director of Regulatory & Quality Affairs
PREPARED BY: Louis Johnson
INFORMATION CONTACT: 1-800-999-3161

REVISION SUMMARY: This MSDS replaces the 05/13/2014 MSDS. Revised: Section 1: APPROVED BY, Date Issued, PREPARED BY, REASON FOR ISSUE, TITLE.

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