

# MATERIAL SAFETY DATA SHEET

Date Issued: 12/18/2008  
 MSDS No: BS1017  
 Date Revised: 12/19/2008  
 Revision No: 1

## Resilience® Glass Ionomer Powder

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Resilience® Glass Ionomer Powder  
**PRODUCT DESCRIPTION:** Glass Ionomer Powder  
**PRODUCT CODE:** FC-GRAN-002; FC-GRAN-057; FC-GRAN-059  
**GENERIC NAME:** Glass Ionomer Luting Cement

#### MANUFACTURER

Ortho Technology, Inc.  
 17401 Commerce Park Boulevard  
 Tampa FL 33647  
**Product Stewardship:** 1-800-999-3161

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Off-white glass powder

#### POTENTIAL HEALTH EFFECTS

**EYES:** Mild Irritant. Mechanical eye irritation signs and symptoms may include pain, redness, tearing and corneal abrasion.

**SKIN:** Mild irritant. Mechanical skin irritation signs and symptoms may include abrasion and redness.

**INHALATION:** Irritation of respiratory tract. Signs and symptoms may include cough, sneezing, nasal discharge, headache, hoarseness and nose and throat pain.

**HEALTH HAZARDS:** Prolonged or repeated exposure may cause upper respiratory tract irritation.

**PHYSICAL HAZARDS:** None known.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS
Fluoroaluminosilicate Glass	N/A
Silica	N/A

### 4. FIRST AID MEASURES

**EYES:** Flush with water, get medical attention if symptoms persist.

**SKIN:** Wash with soap and water, get medical attention if symptoms persist.

**INGESTION:** Seek medical attention, no health effects are expected.

**INHALATION:** Remove to fresh air, get medical attention if symptoms persist

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### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** ND = No Data/Not Determined  
**AUTOIGNITION TEMPERATURE:** ND = No Data/Not Determined  
**EXTINGUISHING MEDIA:** Material is not flammable  
**EXPLOSION HAZARDS:** None Reported  
**FIRE FIGHTING PROCEDURES:** Normal fire fighting procedures  
**FIRE FIGHTING EQUIPMENT:** Normal fire fighting equipment  
**FIRE EXPLOSION:** None Reported  
**HAZARDOUS DECOMPOSITION PRODUCTS:** None

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** No special procedure, try to minimize dusting

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** To be handled by qualified dental professionals. Follow the instructions for use, avoid eye contact.  
**STORAGE TEMPERATURE:** Store in a moisture free environment

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses or splash goggles  
**SKIN:** Wear gloves  
**RESPIRATORY:** Respiratory protection is required with large amounts and when dusting occurs  
**PROTECTIVE CLOTHING:** Wear lab coat

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Off-white glass powder  
**ODOR:** Odorless  
**BOILING POINT:** ND = No Data/Not Determined  
**MELTING POINT:** ND = No Data/Not Determined  
**FLASHPOINT AND METHOD:** ND = No Data/Not Determined  
**SOLUBILITY IN WATER:** Insoluble

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**SPECIFIC GRAVITY:** > 1.000

### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable.

**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None

**POSSIBILITY OF HAZARDOUS REACTIONS:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

### 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** Irritation to the eye may occur with repeated exposure

**SKIN EFFECTS:** Irritation to the skin may occur with repeated exposure

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** ND = No Data/Not Determined

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.

### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**OTHER SHIPPING INFORMATION:** None required

### 15. REGULATORY INFORMATION

**GENERAL COMMENTS:** R20: Harmful by inhalation

### 16. OTHER INFORMATION

**REASON FOR ISSUE:** New MSDS Format

**APPROVED BY:** J. Hutchins      **TITLE:** QA/RA Director

**PREPARED BY:** T. Swan

**INFORMATION CONTACT:** 1-800-999-3161

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**REVISION SUMMARY:** Revision #: 1. This MSDS replaces the May 05, 2008 MSDS., , , , , Any changes in information are as follows: In Section 1: Approved by, Title, Prepared By, Date Prepared In Section 2: Potential Health Effects - Eyes, Potential Health Effects - Ingestion, Health Hazards, Physical Hazards In Section 4: Firstaid - Eyes, Firstaid - Skin, Firstaid - Ingestion In Section 5: (Group Field) for Auto Ignition, Flammable Class, (Group Field) for Flash Point, Explosion Hazards, Fire Explosion, Hazardous Decomposition In Section 9: (Group Field) for Boiling Point, (Group Field) for Melting Point, (Group Field) for Water Solubility, (Group Field) for Specific Gravity, Specific Gravity (Operator), Specific Gravity (From) In Section 12: Environmental Data In Section 13: Disposal

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