

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 12/18/2008  
 SDS No : BS1017  
 Date Revised : 11/04/2015  
 Revision No : 2

## Resilience® Glass Ionomer Powder

### SECTION 1 : Identification of the substance/preparation and of the company/undertaking

#### 1.1. Product identifier

**Product code** : FC-GRAN-002 ; FC-GRAN-057 ; FC-GRAN-059  
**Product name** : Resilience® Glass Ionomer Powder  
**Product description** : 6937M7LV  
**Generic name** : Glass Ionomer Luting Cement

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

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

##### Manufacturer

Ortho Technology, Inc.  
 17401 Commerce Park Boulevard  
 Tampa, FL 33647

**Emergency Phone** : 1-800-999-3161  
**E-Mail** : ljohnson@orthotechnology.com

### SECTION 2: Hazards identification


#### 2.1. Classification of the substance or mixture

**Classification according to Directive 1999/45/EC**

#### 2.2. Label elements

Causes skin and eye irritation.

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

**Hazard pictogram(s)** : 

Exclamation  
mark

**Hazard statement(s)** : H315 + H320: Causes skin and eye irritation.

#### 2.3. Other hazards

**Health hazards** : Prolonged or repeated exposure may cause upper respiratory tract irritation.

**Physical hazards** : None known.

### SECTION 3: Composition / information on ingredients

#### 3.1. Substances

Not Applicable

#### 3.2. Mixtures

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Chemical Name	CAS	EINECS No.	Wt. %
Fluoroalumino Silicate Glass	N/A	N/A	~ 0 - 100
Silica	N/A	N/A	~ 0 - 100

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- Following eyes** : Flush with water, get medical attention if symptoms persist.
- Following skin** : Wash with soap and water, get medical attention if symptoms persist.
- Following ingestion** : Seek medical attention, no health effects are expected.
- Following inhalation** : Remove to fresh air, get medical attention if symptoms persist

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

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

### SECTION 5: Fire fighting measures

#### 5.1. Extinguishing media

- Extinguishing media** : Material is not flammable

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

- Explosion hazards** : None Reported
- Fire explosion** : None Reported

#### 5.3. Advice for firefighters

- Fire fighting procedures** : Normal fire fighting procedures
- Fire fighting equipment** : Normal fire fighting equipment

### SECTION 6: Accidental release measures

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

#### 6.2. Environmental precautions

#### 6.3. Methods and material for containment and cleaning up

- Small spill** : No special procedure, try to minimize dusting

#### 6.4. Reference to other sections

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- General procedures** : To be handled by qualified dental professionals. Follow the instructions for use, avoid eye contact.

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

- Storage temperature** : Store in a moisture free environment

#### 7.3. Specific end use(s)

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### SECTION 8: Exposure controls / personal protection

#### 8.1. Control parameters

#### 8.2. Exposure controls

<b>Eye/face protection</b>	: Safety glasses or splash goggles
<b>Skin protection</b>	: Wear gloves
<b>Respiratory protection</b>	: Respiratory protection is required with large amounts and when dusting occurs
<b>Protective clothing</b>	: Wear lab coat

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	: Off-white glass powder
<b>Odour</b>	: Odorless
<b>Melting temperature</b>	: ND = No Data/Not Determined
<b>Boiling temperature</b>	: ND = No Data/Not Determined
<b>Flash point</b>	: ND = No Data/Not Determined
<b>Specific gravity</b>	: > 1
<b>Solubility in water</b>	: Insoluble
<b>Auto-ignition temperature</b>	: ND = No Data/Not Determined

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

<b>Chemical stability</b>	: Stable.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	: None
<b>Hazardous polymerization</b>	: Will not occur.

#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	: None
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#### 10.5. Incompatible materials

#### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	: None
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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

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### SECTION 12: Ecological information

- 12.1. Toxicity
- 12.2. Persistence and degradability
- 12.3. Bioaccumulative potential
- 12.4. Mobility in soil
- 12.5. Results of PBT and vPvB assessment
- 12.6. Other adverse effects

**Environmental data** : ND = No Data/Not Determined

### SECTION 13: Disposal considerations

- 13.1. Waste treatment methods

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

### SECTION 14: Transport information

- 14.1. UN number
- 14.2. UN proper shipping name
- 14.3. Transport hazard class(es)
- 14.4. Packing group
- 14.5. Environmental hazards
- 14.6. Special precautions for user
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

### SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**General comments** : R20: Harmful by inhalation

- 15.2. Chemical safety assessment

### SECTION 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
- Revision summary** : This MSDS replaces the 12/19/2008 MSDS. Revised: **Section 1:** REASON FOR ISSUE. **Section 2:** . **Section 3:** Wt.%.
- Manufacturer disclaimer** : 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

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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.