

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 06/24/2009
 SDS No : BS1014
 Date Revised : 11/04/2015
 Revision No : 2

Resilience® Multi-Cure Glass Ionomer Base Adhesive

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

1.1. Product identifier

Product code : FC-GRAN-007; FC-GRAN-061; FC-GRAN-066;
Product name : Resilience® Multi-Cure Glass Ionomer Base Adhesive
Product description : 6910M7E6
Chemical family : Methacrylate

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

1.4. Emergency telephone number

For Chemical Emergency
 Spill Leak or Fire Exposure or Accident
 Call CHEMTREC Day or Night
 Domestic North America 1-800-424-9300
 International, Call +1 703-527-3887 (collect calls accepted)

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 : Repeated contact with skin may cause allergic responses, reddening and irritation.
Physical hazards : Incompatible with oxidizing agents and visible light.

SECTION 3: Composition / information on ingredients

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3.1. Substances

Not Applicable

3.2. Mixtures

Chemical Name	CAS	EINECS No.	Wt. %
Bisphenol "A" Diglycidyl Methacrylate	156-94-2	N/A	~ 0 - 100
N-N Dihydroxyethyl P-Toluidine	3077-12-1	221-359-1	~ 0 - 100
2-Hydroxyethyl Methacrylate	868-77-9	212-782-2	~ 0 - 100
Fluoroalumino Silicate Glass	N/A	N/A	~ 0 - 100

SECTION 4: First aid measures

4.1. Description of first aid measures

Following eyes : Flush with copious amounts of water.
Following skin : Wash with soap and water.
Following ingestion : Seek medical attention
Following inhalation : No data

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 : Dry Chemical Foam, CO₂, Dry Chemical

5.2. Special hazards arising from the substance or mixture

Fire explosion : Heat can cause polymerization with rapid release of energy. Material may burn if exposed to flame.

5.3. Advice for firefighters

Fire fighting procedures : None required
Fire fighting equipment : Wear self-contained breathing apparatus

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Special protective equipment : Glove and eye protection suggested

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Small spill : Pick up spilled material

6.4. Reference to other sections

SECTION 7: Handling and storage

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7.1. Precautions for safe handling

- General procedures** : Follow instructions for use
Handling : To be handled by qualified dental professionals.
Storage : Avoid contact with moisture in the unpolymerized state.

7.2. Conditions for safe storage, including any incompatibilities

- Storage temperature** : Store at or below room temperature.

7.3. Specific end use(s)

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

8.2. Exposure controls

- Eye/face protection** : Safety glasses or goggles.
Skin protection : Gloves recommended.
Respiratory protection : None required
Protective clothing : Wear lab coat

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state** : Paste
Appearance : Beige Paste
Colour : Beige
Odour : Acrylate odor
Melting temperature : ND = No Data/Not Determined
Boiling temperature : ND = No Data/Not Determined
Flash point : Not Determined
Evaporation rate : Not Determined
Specific gravity : 1.9
Solubility in water : Low when polymerized
Auto-ignition temperature : Not Determined

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

- Chemical stability** : Stable.

10.3. Possibility of hazardous reactions

- Possibility of hazardous reactions** : None known.

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10.4. Conditions to avoid

Conditions to avoid : Oxidizing agents and visible light

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products : None

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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 : May cause adverse environmental impact if material reaches waterways

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

Additional information : Not Hazardous Materials or Dangerous Goods per USDOT/IATA/ICAO.

SECTION 15: Regulatory information

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

General comments : R21: Harmful in contact with skin;
 S24/25: Avoid contact with skin and eyes

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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 06/24/2009 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 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.