

# SAFETY DATA SHEET

Date Issued: 12/01/2008  
 MSDS No: BS1001  
 Date Revised: 06/23/2009  
 Revision No: 1

## Resilience® Light-Cure Bracket Adhesive

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

**PRODUCT NAME:** Resilience® Light-Cure Bracket Adhesive  
**PRODUCT DESCRIPTION:** Light-cure Adhesive  
**PRODUCT CODE:** FC-RESI-006/FC-RESI-017/FC-RESI-018/FC-RESI-047  
**CHEMICAL FAMILY:** Methacrylate  
**GENERIC NAME:** Orthodontic Adhesive

#### MANUFACTURER

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

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

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)

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS	EINECS
Bisphenol A Diglycidyl Methacrylate	1565-94-2	216-367-7
Triethylene Glycol Dimethacrylate	109-16-0	203-652-6
Camphorquinone	2767-84-2	220-446-1

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Creamy, off-white paste.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Mild Irritant

**SKIN:** Mild to severe irritant

**INGESTION:** Mild irritant

**INHALATION:** Mild irritant

**HEALTH HAZARDS:** Repeated contact with skin may cause irritation and reddening.

**PHYSICAL HAZARDS:** Incompatibility with high temperatures and oxidizing agents.

### 4. FIRST AID MEASURES

**EYES:** Flush with copious amounts of water.

**SKIN:** Wash with soap and water.

**INGESTION:** Consult with a physician

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**INHALATION:** Remove to fresh air.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Chemical foam, CO<sub>2</sub>, dry chemical

**EXPLOSION HAZARDS:** Heat can cause polymerization with rapid release of energy which may rupture container

**FIRE FIGHTING PROCEDURES:** Use Water spray to cool containers.

**FIRE FIGHTING EQUIPMENT:** Wear pressure demand, self-contained breathing apparatus, MSHA/MIOSH - approved or equivalent and full protective gear

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of Carbon

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb the spill and dispose of in an approved container.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** May cause adverse environmental impact if material reaches waterways

**SPECIAL PROTECTIVE EQUIPMENT:** Glove and eye protection suggested

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Follow instructions for use

**HANDLING:** To be handled by quality dental professionals

**STORAGE:** Store away from food and beverages.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses; splash goggles recommended.

**SKIN:** Gloves

**RESPIRATORY:** None required under use.

**PROTECTIVE CLOTHING:** Lab Coat.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**FLASHPOINT AND METHOD:** ND = No Data/Not Determined

**AUTOIGNITION TEMPERATURE:** ND = No Data/Not Determined

**PHYSICAL STATE:** Creamy, off-white paste

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**ODOR:** Acrylic odor

**COLOR:** Off-white

**PHYSICAL STATE COMMENTS:** Paste

**BOILING POINT:** ND = No Data/Not Determined

**MELTING POINT:** Not Determined

**SOLUBILITY IN WATER:** Negligible

**SPECIFIC GRAVITY:** > 1.000

### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** Avoid high temperatures, oxidizing agents and visible light

**POSSIBILITY OF HAZARDOUS REACTIONS:** None reported

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of Carbon

### 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** Irritation to the eyes can occur

**SKIN EFFECTS:** Irritation to the skin can occur

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** May cause adverse environmental impact if material reaches waterways

### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT INFORMATION

**COMMENTS:** Not Hazardous Materials or Dangerous Goods per USDOT/IATA/ICAO.

### 15. REGULATORY INFORMATION

**GENERAL COMMENTS:** R21: Harmful in contact with skin; S20/21: Do not eat, drink, or smoke

### 16. OTHER INFORMATION

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**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:** Revision #: 1. This MSDS replaces the December 01, 2008 MSDS., Any changes in information are as follows: In Section 1: 24 Hour Emergency Phone Numbers  
In Section 14: Comments

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