

# MATERIAL SAFETY DATA SHEET

Date Issued: 04/29/2009  
 MSDS No: BS1012  
 Date Revised: 06/23/2009  
 Revision No: 3

## Resilience® Chemcial-Activated Adhesive Base Paste

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Resilience® Chemcial-Activated Adhesive Base Paste  
**PRODUCT DESCRIPTION:** Chemical-Activated Base Paste  
**PRODUCT CODE:** FC-RESI-049; FC-RESI-050  
**CHEMICAL FAMILY:** Aromatic and Aliphatic Dimethacrylate Monomers

#### 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. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Beige Paste with a characteristic Acrylate Odor.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Irritation to the eyes

**SKIN:** Repeated contact with skin may cause reddening and irritation

**INGESTION:** Possible irritation with ingestion

**HEALTH HAZARDS:** No Acute or Chronic Hazard.

**PHYSICAL HAZARDS:** None

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS
Aromatic and Aliphatic Dimethacrylates Monomers	N/A
Inorganic pigments	N/A
Tertiary Amine	N/A

### 4. FIRST AID MEASURES

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

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

**INGESTION:** Seek medical attention

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### 5. FIRE FIGHTING MEASURES

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

**FLAMMABLE LIMITS:** ND = No Data / Not Determined to ND = No Data / Not Determined

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

**EXTINGUISHING MEDIA:** Dry Chemical Foam, CO2, Dry Chemical

**EXPLOSION HAZARDS:** Material may burn if exposed to flame

**FIRE FIGHTING PROCEDURES:** None required

**FIRE FIGHTING EQUIPMENT:** Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus

**FIRE EXPLOSION:** Material may burn if exposed to flame

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not determined

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Collect spilled materials. Place in closed container.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Follow instructions for use

**HANDLING:** To be handled by qualified dental professionals.

**STORAGE:** Avoid Moisture in unpolymerized state. Do not expose to light.

**STORAGE TEMPERATURE:** Store at or below room temperature.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT

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

**SKIN:** Wear gloves

**RESPIRATORY:** None required under normal use

**PROTECTIVE CLOTHING:** Wear lab coat

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Beige Paste

**ODOR:** Characteristic acrylate odor

**BOILING POINT:** No data

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**MELTING POINT:** No Data

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

**SOLUBILITY IN WATER:** Insoluble

**SPECIFIC GRAVITY:** 2.080

### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** High Temperatures, visible light sources.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Polymerization may occur in large quantities

**HAZARDOUS DECOMPOSITION PRODUCTS:** No data

**INCOMPATIBLE MATERIALS:** Keep away from strong oxidizing agents.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

**ORAL LD<sub>50</sub>:** > 10000 mg/kg

**EYE EFFECTS:** Mild irritation to the eyes

**SKIN EFFECTS:** Slight irritation to the skin

**COMMENTS:** Allergic reaction to methacrylates are possible

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Do not discharge into drains or the environment.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Collect spilled material. Place in closed container.

**PRODUCT DISPOSAL:** Dispose of in accordance with the Federal, State and Local regulations.

### 14. TRANSPORT INFORMATION

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

### 15. REGULATORY INFORMATION

**EUROPEAN COMMUNITY**

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**EUROPEAN COMMUNITY REGULATORY:** Labeling according international regulations: Xi, Irritant.  
Contains methacrylic ester.

**GENERAL COMMENTS:** Symbols of Danger : St. Andrew's cross  
R-Phrases: 36/38  
Irritating to eyes and skin.  
S-Phrases: 26 and 28  
In case of contact with eyes rinse immediately plenty of water and seek medical advice.  
After contact with skin, wash immediately with soap and water.

### 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:** Revision #: 3. This MSDS replaces the April 29, 2009 MSDS., Any changes in information are as follows: In Section 1: 24 Hour Emergency Phone Numbers In Section 14: Other DOT Shipping Information, Comments

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