

# MATERIAL SAFETY DATA SHEET

Date Issued: 04/07/2009  
 MSDS No: BS1011  
 Date Revised: 04/29/2009  
 Revision No: 1

## Resilience® Primer-Activated Adhesive

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Resilience® Primer-Activated Adhesive  
**PRODUCT DESCRIPTION:** Primer-Activated Orthodontic Bonding Systems  
**PRODUCT CODE:** FC-RESI-012; FC-RESI-024; FC-RESI-026; FC-RESI-048  
**CHEMICAL FAMILY:** Aromatic and Aliphatic Dimethacrylate Monomers

#### MANUFACTURER

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

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS
Aromatic and Aliphatic Dimethacrylate Monomers	N/A
Benzoyl Peroxide	94-36-0
2,6-DI-Tert-Butyl-P-Cresol (BHT)	128-37-0
Silicon Dioxide	7631-86-9
Sodium Fluoride	7681-49-4

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Off-White Paste with Characteristic Acrylate Odor.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

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

**CARCINOGENICITY:** ND = No Data/Not Determined

**MEDICAL CONDITIONS AGGRAVATED:** Unknown

**ROUTES OF ENTRY:** Inhalation: Not Likely under normal use

Skin: Yes

Ingestion: Not Likely under normal use.

**HEALTH HAZARDS:** Unknown

### 4. FIRST AID MEASURES

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

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

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**INGESTION:** Seek Medical Attention.

**INHALATION:** Remove to fresh air.

### 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

**EXTINGUISHING MEDIA:** Dry Chemical Foam, CO<sub>2</sub>, Dry Chemical

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

**FIRE FIGHTING EQUIPMENT:** Firefighters should wear full protective clothing and self-contained breathing apparatus.

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of Carbon

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Pick up the material with impervious gloves and place into an appropriate container.

#### ENVIRONMENTAL PRECAUTIONS

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

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** To be handled by qualified dental professionals. Follow instructions for use

**STORAGE:** Avoid moisture contact in unpolymerized state.

**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:** Off-white paste

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**ODOR:** Characteristic acrylate odor

**COLOR:** Off-white

**VAPOR PRESSURE:** ND = No Data/Not Determined

**VAPOR DENSITY:** ND = No Data/Not Determined

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

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

**SOLUBILITY IN WATER:** Insoluble

**EVAPORATION RATE:** (Butyl acetate = 1) ND = No Data/Not Determined

**SPECIFIC GRAVITY:** (H<sub>2</sub>O = 1): > 1

### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable.

**POLYMERIZATION:** Hazardous polymerization may occur.

**CONDITIONS TO AVOID:** High Temperatures and UV Light.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of Carbon

**INCOMPATIBLE MATERIALS:** Strong Oxidizing and Reducing Agents and Peroxides.

### 11. TOXICOLOGICAL INFORMATION

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

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

#### CARCINOGENICITY

**IARC:** ND = No Data/Not Determined

**NTP:** ND = No Data/Not Determined

**OSHA:** ND = No Data/Not Determined

### 12. ECOLOGICAL INFORMATION

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

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in Accordance with the Federal, State and Local Regulations.

