

SAFETY DATA SHEET

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

Resilience® Primer-Activated Adhesive

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

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

Chemical Name	CAS	EINECS
Aromatic and Aliphatic Dimethacrylate Monomers	N/A	N/A
Benzoyl Peroxide	94-36-0	202-327-6
2,6-DI-Tert-Butyl-P-Cresol (BHT)	128-37-0	204-881-4
Silicon Dioxide	7631-86-9	231-545-4
Sodium Fluoride	7681-49-4	231-667-8

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.

SAFETY DATA SHEET

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

Resilience® Primer-Activated Adhesive

INGESTION: Seek Medical Attention.

INHALATION: Remove to fresh air.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry Chemical Foam, CO₂, 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

FLASHPOINT AND METHOD: ND = No Data/Not Determined

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

PHYSICAL STATE: Off-white paste

ODOR: Characteristic acrylate odor

SAFETY DATA SHEET

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

Resilience® Primer-Activated Adhesive

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: (H₂O = 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.

14. TRANSPORT INFORMATION

SAFETY DATA SHEET

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

Resilience® Primer-Activated Adhesive

COMMENTS: None required

15. REGULATORY INFORMATION

GENERAL COMMENTS: R21: Harmful in contact with skin; S24: Avoid contact with skin.

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 #: 1. This MSDS replaces the MSDS., , , , , , , , , , , . Any changes in information are as follows: In Section 1: Approved by, Title, MSDS Number, Prepared By, Date Prepared In Section 2: Physical Appearance, Potential Health Effects - Eyes, Potential Health Effects - Skin, Potential Health Effects - Inhalation, Potential Health Effects - Ingestion, Signs & Symptoms - Eyes, Signs & Symptoms - Ingestion, Signs & Symptoms - Inhalation, Signs & Symptoms - Skin, Medical Conditions Aggravated, Routes of Entry, Health Hazards, Carcinogenicity In Section 4: Firstaid - Ingestion In Section 5: (Group Field) for Auto Ignition, Lower °F, Upper °F, (Group Field) for Flash Point, Fire Fighting Equipment, Explosion Hazards, Fire Explosion In Section 6: Small Spill, Land Spill, Air Spill In Section 7: (Group Field) for Storage Temperature, Storage In Section 8: Skin Protection In Section 9: Odor, (Group Field) for Vapor Pressure, (Group Field) for Vapor Pressure Density, (Group Field) for Boiling Point, (Group Field) for Freezing Point, (Group Field) for Melting Point, (Group Field) for Water Solubility, (Group Field) for Density, (Group Field) for Specific Gravity, (Group Field) for Evaporation Rate In Section 10: Polymerization, Conditions to Avoid, Incompatible Materials, Possibility of Hazardous Reactions In Section 11: IARC, NTP, OSHA In Section 13: Disposal In Section 16: HMIS Flammability, HMIS Health, NFPA Flammability, NFPA Health, NFPA Reactivity

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.