

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 04/29/2009
 SDS No : BS1012
 Date Revised : 11/04/2015
 Revision No : 4

Resilience® Chemical-Activated Adhesive Base Paste

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

1.1. Product identifier

Product code : FC-RESI-049; FC-RESI-050
Product name : Resilience® Chemical-Activated Adhesive Base Paste
Product description : 6867M72F
Chemical family : Aromatic and Aliphatic Dimethacrylate Monomers

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 eye irritation.

2.3. Other hazards

Health hazards : No Acute or Chronic Hazard.
Physical hazards : None

SECTION 3: Composition / information on ingredients

3.1. Substances

Not Applicable

3.2. Mixtures

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Chemical Name	CAS	EINECS No.	Wt. %
Bisphenol "A" Diglycidyl Methacrylate	156-94-2	N/A	~ 0 - 100
Iso-butyl Methacrylate	97-86-9	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

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

- Explosion hazards** : Material may burn if exposed to flame
Fire explosion : Material may burn if exposed to flame

5.3. Advice for firefighters

- Fire fighting procedures** : None required
Fire fighting equipment : Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

- Small spill** : Collect spilled materials. Place in closed container.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- 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.

7.2. Conditions for safe storage, including any incompatibilities

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

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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; splash goggles recommended.
Skin protection : Wear gloves
Respiratory protection : None required under normal use
Protective clothing : Wear lab coat

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Beige Paste
Odour : Characteristic acrylate odor
Melting temperature : No Data
Boiling temperature : No data
Flash point : ND = No Data/Not Determined
Flammable limits : ND = No Data / Not Determined to ND = No Data / Not Determined
Specific gravity : 2.08
Solubility in water : Insoluble
Auto-ignition temperature : ND = No Data/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 : Polymerization may occur in large quantities

10.4. Conditions to avoid

Conditions to avoid : High Temperatures, visible light sources.

10.5. Incompatible materials

Incompatible materials : Keep away from strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products : No data

SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Acute

Oral LD₅₀ : > 10000 mg/kg

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 : Do not discharge into drains or the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal : Dispose of in accordance with the Federal, State and Local regulations.

Disposal method : Collect spilled material. Place in closed container.

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 : 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.

International regulations : Labeling according international regulations: Xi, Irritant. Contains methacrylic ester.

15.2. Chemical safety assessment

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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 06/23/2009 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.