



## EXTREME 2151-Resin MATERIAL SAFETY DATA SHEET

### Section 1: Identification

Manufacturer: Extreme Adhesives, Inc.  
Product name: Extreme 2151 Resin

24-HOUR EMERGENCY PHONE: INFOTRAC 1-800-535-5053

### Section 2: Chemical Product

Product Classification: "Part A" of a Two Component Adhesive

### Section 3: Chemical Ingredients/Identification

Single or Mixture: Mixture  
Chemical Identification: Resin

INGREDIENT	CAS#	ACGIH TLV	OSHA/PEL	% by Weight
Diglycidylether of Bisphenol A	25068-38-6	N/A	N/A	14 - 18
Epoxy Phenol Novalac Resin	28064-14-4	N/A	N/A	5 - 9
Copper Phthalocyanine Blue Pigment	147-14-8	N/A	N/A	1 - 2
Alumina Oxide	1344-28.1	N/A	N/A	20 - 24
Thickening Agent	112945-52-5	N/A	N/A	1 - 3

### Section 4: Chemical and Physical Properties

Boiling Point.....>500F  
Vapor Pressure.....<1 (mm Hg @ 25C)  
Vapor Density.....>1 (Air 1)  
Specific Gravity.....1.22 @ 25°C (Water=1.00)  
Melting Point.....N/A  
Evaporation Rate.....<1 (Butyl Acetate=1)  
Volatiles by Weight.....<1%  
Solubility in Water.....Not Soluble  
Appearance (color).....Blue  
Appearance (form).....paste  
Odor.....Mild

### Section 5: First Aid Measures

Skin Contact: Remove product from skin with dry cloth or paper towel, and wash exposed area with water and mild detergent.

Eye Contact: Immediately flush with water for at least 15 minutes. Get medical attention.

Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Call a Physician immediately.

Potential Health Effect: Skin contact: May cause slight skin irritation, but no significant effect.  
Eye contact: May cause slight eye irritation.  
Ingestion: No information is available

## Section 6: Fire Fighting Measures

Flash Point: (method used): >325F

Flammable Limits: Lower: Not measured Upper: Not measured

Extinguishing Media: Foam, dry chemical, carbon dioxide or fire water spray

Special Fire Fighting Procedure: Firefighters/rescue personnel should wear positive pressure self-contained breathing apparatus and full protective equipment. Cool exposed containers with water to prevent buildup. If large quantities of material are involved, evacuate area and fight fire from a safe distance.

Unusual Fire or Explosive Hazards: Decomposition and combustion products may be toxic. Closed containers may violently rupture under fire condition.

## Section 7: Accidental Release Measures

Spill response operations must be conducted in accordance with the provisions of OSHA 29 CFR 1910.120. Review the entire MSDS before proceeding with spill response.

Small Spills: Activate available exhaust ventilation equipment in the immediate spill area. Wipe up or absorb spilled material with paper towels or other absorbent material. Wash area with soapy water or remove residue. Collect absorbed material and water rinses in appropriate containers. Dispose of in accordance with current Federal, State, and local regulations.

Large Spills: Limit access to the immediate spill area. Shut off Source of the release if this can be done without risk of injury. Activate available exhaust ventilation equipment in the spill area. Dike area to contain the spill and prevent released to sewers, drains or other waterways. Collect spilled material for salvage/disposal. Apply absorbent material to soak up residue. Wash area with soapy water. Prevent runoff from entering waterways. Transfer absorbed material and water rinses to appropriate waste containers. Dispose of in accordance with current Federal, State, and local regulations.

## Section 8: Handling and Storage

### Personal Protection:

\*Wear chemical safety glasses or goggles. Have eyewash equipment available.

\*Other protective clothing or equipment to be used as appropriate to prevent prolonged or repeated contact with skin.

\*Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using the restroom facilities.

\*Promptly remove contaminated clothing and launder thoroughly before reuse.

\*Wear impervious gloves

### Ventilation:

\*Provide effective mechanical exhaust ventilation to draw vapors, mists or fumes generated during processing away from the worker and prevent routine inhalation, especially during elevated temperature processing.

\*Ventilation must be sufficient to maintain airborne levels of Section 2 ingredients below their PEL/TLV values.

\*Use an appropriate, properly fitted respirator if exposures exceed PEL/TLV values.

\*The type of protection selected (SCBA air purifying) will depend upon the conditions of use. Observe OSHA regulations for respiratory protection (29 CFR 1910.134).

### Precaution to be taken in handling and storing:

\*Keep container closed when not in use.

\*Vent the container properly to eliminate internal pressure.

\*Store in a cool place (Qualitatively under 10 degrees C)

\*Keep away from heat and flame.

\*Do not lay the container on its side.

\*Avoid contact with eyes and prolonged or repeated skin contact.

\*Avoid contact with acidic, basic or oxidizing materials.

\*Contact lens wearers take appropriate precaution.

\*Keep out of reach of children.

Information about the emptied container:

\*Do not re-use this container.

\*Do not weld on or near this container.

\*Do not cut or puncture this container.

\*Keep away from heat, sparks and flame.

### **Section 9: Stability and Reactivity**

Stability: Stable under normal handling and storage conditions (But it will not vigorously polymerize, decompose, condense, or will not become self-reactive under conditions of shocks, pressure or temperature).

Incompatibility (Material to avoid): Acidic, basic or oxidizing materials.

Hazardous Decomposition or By-Product: Carbon monoxide, carbon dioxide, aldehydes, acids and other organic substances may be formed during combustion. The chemical nature and quantity of decomposition by-products will vary widely depending on the conditions of combustion.

Hazardous Polymerization: Uncontrolled mixing with amines, anhydrides, mercaptans, and imidazoles may cause hazardous polymerization.

Conditions to avoid: Contact with acidic, basic or oxidizing materials. Avoid storage in open containers, exposure to open flame or uncontrolled exposure to heat, uncontrolled mixing with curing agents or exposure to incompatible substances.

### **Section 10: Toxicological and Health Information**

Skin Irritation: Contains materials that cause moderate skin irritation. Prolonged or repeated exposure to the liquid may exert a defatting or drying action on the skin, possibly resulting in dermatitis. This product may cause skin sensitization/allergic skin reactions that may be severe in certain individuals. Symptoms include rash, itching, hives, swelling.

Eye Irritation: Contains materials irritating to the eyes. Symptoms may include blurred vision, burning sensation and tearing.

Inhalation: Heating can generate vapors that may cause respiratory irritation, nausea and headaches. Inhalation hazard at room temperature is unlikely, due to the low volatility of this product.

Ingestion: Harmful if swallowed.

Acute Toxicity (LD50): No information is available

Acute Toxicity (LC50): N/A

Chronic Toxicity: N/A

Carcinogen: NTP: Not Listed IARC: not classified as carcinogens.

OSHA Regulated: Not listed

### **Section 11: Ecological Information**

Biodegradation: Not applicable

Bioaccumulation: No information is available

Aquatic Toxicity: No information is available

### **Section 12: Disposal Consideration**

\* Can be burned in a chemical incinerator equipped with an afterburner and scrubber.

\* Do not dispose of the emptied container unlawfully.

\* Observe all federal, state and local laws.

**Section 13: Transportation Information**

UN No.....None  
IMO Classification and Class.....None  
Packaging Group.....None  
Proper Shipping Name.....None  
Technical Shipping Name.....None  
Marine Pollutant.....None  
Dot Reportable Quantity (RQ):  
    Hazard Substance (s) Name / (CAS No.), Contents and RQ.....Not applicable

**Section 14: Regulatory Information**

Toxic Substance Control Act (TSCA) Status: Listed on the TSCA inventory  
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Superfund Amendments and reauthorization to of 1986 (SARA) Title III Section 313 Supplier Notification:

This regulation required submission of annual reports of toxic chemical(s) that appear in section 313 of the emergency planning and community Right-To-Know Act of 1986 and 40 CRF 372. This information must be included in all MSDS's that are copied and distributed for the materials.

The toxic chemical(s) contained in this product are: "None"

**Section 15: Other Information**

For Industrial Use Only  
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This information is furnished without warranty, representation, or license of any kind, except that this information is accurate to the best of the supplier's knowledge, or is obtained from sources believed by the supplier to be accurate. No warranty is expressed or implied regarding the accuracy of this information or the results to be obtained from its use thereof. The supplier assumes no responsibility for injuries proximately caused by the material if reasonable safety procedures are not followed as stipulated in this data sheet. Additionally, the supplier assumes no responsibility for injuries proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Buyer assumes the risk in its use of the material.

Issue date: 12/15/2008



## EXTREME 2151-Hardener MATERIAL SAFETY DATA SHEET

### Section 1: Identification

Manufacturer: Extreme Adhesives, Inc.  
Product name: Extreme 2151 Hardener

24-HOUR EMERGENCY PHONE: INFOTRAC 1-800-535-5053

### Section 2: Chemical Product

Product Classification: "Part B" of a Two Component Adhesive

### Section 3: Chemical Ingredients/Identification

Single or Mixture: Mixture  
Chemical Identification: Hardener

<u>INGREDIENT</u>	<u>CAS#</u>	<u>ACGIH TLV</u>	<u>OSHA/PEL</u>	<u>% by Weight</u>
Proprietary Adduct		not established	not established	94 - 98
Thickening Agent	112945-52-5	no applicable	not established	3 - 7

### Section 4: Chemical and Physical Properties

Boiling Point.....Not determined  
Vapor Pressure.....<1(mm Hg @ 25C)  
Vapor Density.....>1 (Air= 1)  
Specific Gravity.....1.02 @ 25°C (Water=1.00)  
Melting Point.....N/A  
Evaporation Rate.....<1 (Butyl Acetate=1)  
Volatiles by Weight.....<1%  
Solubility in Water.....Insoluble  
Appearance (color).....Clear  
Appearance (form).....Liquid  
Odor.....Mild

### Section 5: First Aid Measures

Skin Contact: Remove product from skin with dry cloth or paper towel, and wash exposed area with water and mild detergent.

Eye Contact: Immediately flush with water for at least 15 minutes. Get medical attention.

Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Call a Physician immediately.

Potential Health Effect: Skin contact: May cause slight skin irritation, but no significant effect.  
Eye contact: May cause slight eye irritation.  
Ingestion: No information is available

## Section 6: Fire Fighting Measures

Flash Point: (method used): >146F, based on flash points of components

Flammable Limits: Lower: Not measured Upper: Not measured

Extinguishing Media: Foam, dry chemical, carbon dioxide or fine water spray

Special Fire Fighting Procedure: Firefighters/rescue personnel should wear positive pressure self-contained breathing apparatus and full protective equipment. Cool exposed containers with water to prevent buildup. If large quantities of material are involved, evacuate area and fight fire from a safe distance.

Unusual Fire or Explosive Hazards: Decomposition and combustion products may be toxic. Closed containers may violently rupture under fire condition.

## Section 7: Accidental Release Measures

Spill response operations must be conducted in accordance with the provisions of OSHA 29 CFR 1910.120. Review the entire MSDS before proceeding with spill response.

Small Spills: Activate available exhaust ventilation equipment in the immediate spill area. Wipe up or absorb spilled material with paper towels or other absorbent material. Wash area with soapy water or remove residue. Collect absorbed material and water rinses in appropriate containers. Dispose of in accordance with current Federal, State, and local regulations.

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## Section 8: Handling and Storage

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\*Wear chemical safety glasses or goggles. Have eyewash equipment available.

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### Ventilation:

\*Provide effective mechanical exhaust ventilation to draw vapors, mists or fumes generated during processing away from the worker and prevent routine inhalation, especially during elevated temperature processing.

\*Ventilation must be sufficient to maintain airborne levels of Section 2 ingredients below their PEL/TLV values.

\*Use an appropriate, properly fitted respirator if exposures exceed PEL/TLV values.

\*The type of protection selected (SCBA air purifying) will depend upon the conditions of use. Observe OSHA regulations for respiratory protection (29 CFR 1910.134).

### Precaution to be taken in handling and storing:

\*Keep container closed when not in use.

\*Vent the container properly to eliminate internal pressure.

\*Store in a cool place (Qualitatively under 10 degrees C)

\*Keep away from heat and flame.

\*Do not lay the container on its side.

- \*Avoid contact with eyes and prolonged or repeated skin contact.
- \*Avoid contact with acidic, basic or oxidizing materials.
- \*Contact lens wearers take appropriate precaution.
- \*Keep out of reach of children.

Information about the emptied container:

- \*Do not re-use this container.
- \*Keep away from heat, sparks and flame.
- \*Do not cut or puncture this container.
- \*Do not weld on or near this container.

**Section 9: Stability and Reactivity**

Stability: Stable under normal handling and storage conditions (But it will not vigorously polymerize, decompose, condense, or will not become self-reactive under conditions of shocks, pressure or temperature).

Incompatibility (Material to avoid): Acidic, basic or oxidizing materials and certain petroleum compounds.

Hazardous Decomposition or By-Product: Carbon monoxide, carbon dioxide, aldehydes, amines, aniline, acids and other organic substances may be formed during combustion. The chemical nature and quantity of decomposition by-products will vary widely depending on the conditions of combustion.

Hazardous Polymerization: Uncontrolled mixing with resins may cause hazardous polymerization.

Conditions to avoid: Contact with acidic, basic or oxidizing materials. Avoid storage in open containers. Exposure to open flame or uncontrolled exposure to heat, uncontrolled mixing with curing agents or exposure to incompatible substances.

**Section 10: Toxicological and Health Information**

Skin Irritation: Contains materials that cause moderate skin irritation. Prolonged or repeated exposure to the liquid may exert a defatting or drying action on the skin, possibly resulting in dermatitis. This product may cause skin sensitization/allergic skin reactions that may be severe in certain individuals. Symptoms include rash, itching, hives, swelling.

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Inhalation: Heating can generate vapors that may cause respiratory irritation, nausea and headaches. Inhalation hazard at room temperature is unlikely, due to the low volatility of this product.

Ingestion: Harmful if swallowed.

Acute Toxicity (LD50): No information is available

Acute Toxicity (LC50): N/A

Chronic Toxicity: N/A.

Carcinogen: NTP: Not Listed IARC: not classified as carcinogens.

OSHA Regulated: Not listed

**Section 11: Ecological Information**

Biodegradation: Not applicable  
Bioaccumulation: No information is available  
Aquatic Toxicity: No information is available

**Section 12: Disposal Consideration**

- \* Can be burned in a chemical incinerator equipped with an afterburner and scrubber.
- \* Do not dispose of the emptied container unlawfully.
- \* Observe all federal, state and local laws.

**Section 13: Transportation Information**

UN No.....UN2735  
IMO Classification and Class.....8  
Packaging Group.....III  
Proper Shipping Name.....Amines, liquide, corrosive. n.o.s.(Diethylenetriamine)  
Technical Shipping Name.....None  
Marine Pollutant.....None  
Dot Reportable Quantity (RQ):  
    Hazard Substance (s) Name / (CAS No.), Contents and RQ.....Not Applicable

**Section 14: Regulatory Information**

Toxic Substance Control Act (TSCA) Status: Listed on the TSCA inventory

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The toxic chemical(s) contained in this product are: "None"

**Section 15: Other Information**

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