



## Safety Data Sheet

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### Section 1 – Chemical Product and Company Identification

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#### 1.1 Product identifier:

Product Name: E-Cast 207-1 Part B  
Product Code: EC207-1B  
Effective Date: 7/22/2015  
Revision Date: 6/23/2024

#### 1.2 Recommended use and restrictions on use:

Product Use: Epoxy Curative  
Restrictions: Not available.

#### 1.3 Name, address, and telephone number of the chemical manufacturer:

Ellsworth Adhesives  
W129 N10825 Washington Dr.  
Germantown, WI 53022-8202  
(877) 454-9224

#### 1.4 Emergency telephone number:

24 Hr. Emergency CHEMTREC # 1-800-424-9300

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### Section 2 – Hazards Identification

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#### 2.1 Classification according to 29 CFR §1910.1200 (d):

**Classification:** Acute toxicity (oral) - Category 4 (H302)  
Skin corrosion/irritation - Category 1B (H314)  
Eye damage/irritation - Category 1 (H318)  
Respiratory sensitization - Category 1A (H317)  
Skin sensitization - Category 1A (H334)  
Toxic to reproduction - Category 2 (H61)  
Specific target organ toxicity - repeat exposure - Category 1 (H372) (Skin, blood system, lungs, respiratory tract, kidneys, liver)

#### 2.2 Label elements according to 29 CFR §1910.1200 (f):

##### Hazard Symbols:



**Signal Words:** Danger

**Hazard Statements:** H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage  
 H318: Causes serious eye damage  
 H317: May cause an allergic skin reaction  
 H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled  
 H361: Suspected of damaging fertility or the unborn child  
 H372: Causes damage to organs through prolonged or repeated exposure

**Precautionary Statements:**

**Prevention:** P201: Obtain special instructions before use.  
 P260: Do not breathe dust/fume/gas/mist/vapors/spray.  
 P264: Wash hands thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P284: Wear respiratory protection.

**Response:** P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P302+P352: IF ON SKIN: Wash with soap and water.  
 P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
 P308+P313: IF exposed or concerned: Get medical advice/attention.  
 P310: Immediately call a POISON CENTER or doctor/physician.  
 P314: Get Medical advice/attention if you feel unwell.  
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P333+P313: If skin irritation or a rash occurs: Get medical advice/attention.  
 P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
 P362+P364: Take off contaminated clothing and wash it before reuse.  
 P363: Wash contaminated clothing before reuse.

**Storage:** P405: Store locked up..

**Disposal:** P501: Dispose of contents/container in accordance with local, regional, national and international regulations

**2.3 Hazards not otherwise classified in the classification process:**

None known

**2.4 Ingredients (Present at  $\geq 1\%$ ) of unknown toxicity:**

None

**2.5 Supplemental Information:**

If product is in liquid or cured (solid) form, physical or health hazards listed related to dust are not considered significant. However, product may contain substances that could be potential hazards if caused to become airborne due to grinding, sanding or other abrasive processes.

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 Section 3 – Composition/Information on Ingredients
 

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**3.1.1 Hazardous ingredient(s)**

Chemical Name	CAS NO.	% (by wt.)
Aliphatic Amines	*	< 75.0%*
Alkyl Phenol	*	< 75.0%*

**3.1.2 Non-hazardous ingredient(s)**

Remaining components are non-hazardous and/or present at amounts below reportable limits.

**3.2 Trade secrets (if applicable):**

\* Designates a specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

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 Section 4 – First Aid Measures
 

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**4.1 Description of first aid measures**

**Eyes:** Immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of entire eye surface and lids with water. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.

**Skin:** Remove contaminated clothing. Wipe off excess material from exposed area. Flush exposed area with water. Wash area with soap and water. Continue to rinse for at least 10 minutes. If skin irritation or rash occurs, get medical attention. Do not reuse clothing until clean. Contaminated leather articles including shoes cannot be cleaned and should be discarded.

**Inhalation:** Move victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if victim feels unwell. If victim is unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie belt or waistband.

**Ingestion:** Wash mouth out with water. If victim is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep victim's head low so that vomit does not enter the lungs. Call Poison Center or get medical attention immediately.

**4.2 Most important symptoms and effects, both acute and delayed:**

No data available

**4.3 Indication of any immediate medical attention and special treatment needed:**

No data available

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 Section 5 – Fire-Fighting Measures
 

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**5.1 Suitable extinguishing media:**

Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**5.2 Specific hazards arising from the product:**

If heated, a pressure increase will occur and the container may burst.

**5.3 Special protective equipment and precautions for fire-fighters:**

Use standard fire-fighting procedures and consider the hazards of other involved materials. Move container

from fire area if it can be done without risk. Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture.

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## Section 6 – Accidental Release Measures

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### 6.1 Personal precautions, protective equipment and emergency procedures:

No action should be taken involving any personal risk or by personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. Prevent spilled material and runoff from contacting soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.2 Methods and materials for containment and cleaning up:

Pick up spilled material and containerize for recovery or disposal. Using adequate protective equipment, add dry material to absorb spill (if large spill, first dike to contain). For large amounts: Flush area with dilute (5%) acetic acid. Collect rinsate for disposal. Dispose of waste with a licensed waste disposal contractor.

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## Section 7 – Handling and Storage

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### 7.1 Precautions for safe handling:

Put on appropriate personal protective equipment (see section 8 of SDS). Individuals with a history of skin sensitization should not be employed in any process in which this product is used. Do not get in eyes, on skin or on clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material. Keep container tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

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## Section 8 – Exposure Controls/Personal Protection

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### 8.1 Exposure Limits:

Chemical Name	CAS NO.	Limits
Polyethylenepolyamine	Proprietary	ACGIH TLV TWA 4.2 mg/m <sup>3</sup> 1 ppm
Xylene	1330-20-7	ACGIH TLV TWA 100 ppm
Ethyl benzene	100-41-4	ACGIH TLV TWA 20 ppm
Isobutanol	78-83-1	ACGIH TLV TWA 50 ppm
Silicon dioxide, chemically prepared	112945-52-5	OSHA PEL 6 mg/m <sup>3</sup>
Quartz	14808-60-7	ACGIH TLV TWA .025 mg/m <sup>3</sup>
Talc	14807-96-6	ACGIH TLV TWA 2 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	95-63-6	ACGIH TLV TWA 25 ppm
2,6-dimethyl-4-Heptanone	108-83-8	ACGIH TLV TWA 25 ppm
Naphtha, petroleum,hydrodesulfurized heavy	64742-82-1	ACGIH TLV TWA 100 ppm
Glycerine	56-81-5	OSHA PEL TWA 5 mg/m <sup>3</sup>

**8.2 Engineering Controls:**

**Ventilation:** Good general mechanical ventilation and local exhaust.

**8.3 Personal Protective Equipment:**

**Eye Protection:** Wear splash resistant safety goggles.  
**Skin Protection:** Wear impervious gloves and other clothing to prevent contact.  
**Respirators:** Organic vapor respirator if adequate ventilation is not present. (National Institute for Occupational Safety and Health (NIOSH) approved for organic vapors recommended.)  
**Hygienic Practices:** Wash hands before eating, smoking or using toilet facilities. Do not smoke in any chemical handling and storage areas. Food or beverages should not be consumed near where this product is stored. Remove and wash contaminated clothing before reuse. Ensure that eyewash stations and safety showers are close to the workstation location.

**8.4 Additional Precautions**

Where cutting or grinding of the cured material is to occur, use adequate ventilation and dust controls. To minimize exposure, employees should wear respirator approved for silica dust. Do not breathe dust. Do not rely on your sight to determine if dust is in the air. Use good housekeeping to avoid accumulation of dust in the work area. See also American Society for Testing and Materials (ASTM) Standard Practice E1132-99a, "Standard Practice for Health Requirements Relating to Occupational Exposure to respirable Crystalline Silica".

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Section 9 – Physical and Chemical Properties

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<b>Appearance</b> .....	Viscous Liquid
<b>Color</b> .....	White
<b>Odor</b> .....	Ammoniacal
<b>Odor Threshold</b> .....	Not Established
<b>pH</b> .....	Not Established
<b>Melting Point/Freezing Point</b> .....	Not Established
<b>Boiling Point</b> .....	Not Established
<b>Flash Point</b> .....	>356°F (>180°C)
<b>Evaporation Rate</b> .....	Not Established
<b>Upper/Lower flammability or explosive limits</b> .....	Not Established
<b>Vapor Pressure</b> .....	Not Established
<b>Vapor Density</b> .....	Not Established
<b>Relative Density</b>	
<b>Specific Gravity</b> .....	0.94
<b>Bulk Density (lbs./gal)</b> .....	7.86
<b>Solubility</b> .....	Slightly Soluble
<b>Partition Coefficient; n-octanol/water</b> .....	Not Established
<b>Auto-ignition temperature</b> .....	Not Established
<b>Viscosity</b> .....	Not Established

Note: Physical data presented above are typical values and should not be construed as a specification.

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Section 10 – Stability and Reactivity

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**10.1 Reactivity:** Stable under normal conditions.

**10.2 Chemical Stability:** Product is stable.

- 10.3 Possibility of Hazardous Reactions:** Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to Avoid:** Extremes of temperature and direct sunlight.
- 10.5 Incompatible Materials:** Strong oxidizing agents.
- 10.6 Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- 10.7 Other Hazards:** Heating this substance above 300 deg. F in the presence of air may cause slow oxidative decomposition; above 500 deg. F polymerization may occur.
- Reacts with considerable heat release with some epoxy resins.

## Section 11 – Toxicological Information

### 11.1 Information on the likely routes of exposure:

Not Available

### 11.2 Symptoms related to the physical, chemical and toxicological characteristics:

<b>Acute Toxicity:</b>	Harmful if swallowed
<b>Skin Corrosion/Irritation:</b>	Causes severe skin burns
<b>Serious Eye Damage/Irritation:</b>	Causes serious eye damage
<b>Respiratory or Skin Sensitization:</b>	May cause an allergic skin reaction May cause allergy or asthma symptoms or breathing difficulties if inhaled
<b>Germ Cell Mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive Toxicity:</b>	Suspected of damaging fertility or the unborn child
<b>Specific Target Organ Toxicity (Single Exposure):</b>	Not classified
<b>Specific Target Organ Toxicity (Repeated Exposure):</b>	Causes damage to organs through prolonged or repeated exposure
<b>Aspiration Hazard:</b>	Not classified

### 11.3 Delayed and immediate effects and also chronic effects from short and long term exposure:

<b>Short term exposure:</b>	Not Available
<b>Long term exposure:</b>	Not Available
<b>Chronic effects:</b>	Not Available

### 11.4 Numerical Measure of toxicity (Acute toxicity estimates)

<b>Acute Toxicity Data:</b>	
ATE Oral (Product):	1808 mg/kg
ATE Dermal (Product):	3311 mg/kg

ATE values calculated using Appendix A.1.3.6 to 29 CFR §1910.1200

### 11.5 Carcinogenicity:

<b>International Agency for Research on Cancer (IARC)</b>		
Crystalline silica	Group 1	Carcinogenic to humans

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**Section 12 – Ecological Information**

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<b>12.1 Ecotoxicity:</b>	Not Available
<b>12.2 Persistence and Degradability:</b>	Not Available
<b>12.3 Bioaccumulative Potential:</b>	Not Available
<b>12.4 Mobility in Soil:</b>	Not Available
<b>12.5 Other Adverse Effects:</b>	Not Available

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**Section 13 – Disposal Considerations**

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**13.1 Information on waste and methods of disposal**

Dispose of contents in accordance with all local, regional, national and international regulations.

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**Section 14 – Transportation Information**

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**14.1 Transportation information****Land Transportation (DOT):**

<b>Proper Shipping Name:</b>	Amines, liquid, corrosive, n.o.s., (Polyalkylamines)
<b>Hazard Class:</b>	8
<b>Identification Number:</b>	UN 2735
<b>Packing group:</b>	III

**Sea Transportation (IMDG):**

<b>Proper Shipping Name:</b>	Amines, liquid, corrosive, n.o.s., (Polyalkylamines)
<b>Hazard Class:</b>	8
<b>Identification Number:</b>	UN 2735
<b>Packing group:</b>	III

**Air Transportation (IATA):**

<b>Proper Shipping Name:</b>	Amines, liquid, corrosive, n.o.s., (Polyalkylamines)
<b>Hazard Class:</b>	8
<b>Identification Number:</b>	UN 2735
<b>Packing group:</b>	III

**14.2 Transportation in bulk according to Annex II of Marpol 73/78 and the IBC Code:**

This product is not intended to be transported in bulk containers.

**14.3 Special precautions for transportation:**

No data available

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**Section 15 – Regulatory Information**

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**15.1 Safety, health and environmental regulations specific for the product in question.**

This regulatory information is not intended to be comprehensive. Other regulations may apply to this material. To determine applicability or effects of any law or regulation with respect to the product, user should seek legal advice or consult with the appropriate government agency.

**United States Federal Regulations:**

**US EPA CERCLA Hazardous Substances (40 CFR 302):**

Not Evaluated

**SARA Section 311/312 Hazard Categories:**

Not Evaluated

**US EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III**

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):

Not Evaluated

**US EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III**

Section 313 Toxic Chemicals (40 CFR 372.65) – Supplier Notification Required:

None above de minimis limits

**State Right-To-Know Information:**

For details of your regulatory requirements you should contact the appropriate agency in your state.

**Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:**

Not Evaluated

**California Prop. 65:** This product contains the chemicals listed below, which the State of California has found to cause cancer, birth defects or reproductive harm.

Crystalline silica (quartz)	(cancer)
Ethylbenzene	(cancer)
Cumene	(cancer)
Benzene	(cancer, reproduction)
Propylene oxide	(cancer)
Toluene	(reproduction)

**European Union Regulations (ECHA):**

**REACH Substances of Very High Concern:**

This product contains SVHC substances Alkylphenols above 0.1%

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Section 16 – Other Information

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**16.1 Date of preparation or last revision:**

Company: GS Polymers, Inc.  
Rev Date: 6/23/2024  
Rev By: BN

**Reason for Change:**

Section 2, 3, 8, 9, 11, 15

**16.2 Additional information:**

The information contained herein is believed to be accurate. It is provided independently of any sale of the product for purpose of hazard communication. It is not intended to constitute performance information concerning the product. No express warranty, or implied warranty of merchantability or fitness for a particular purpose is made with respect to the product or the information contained herein. To determine applicability or effects of any law or regulation with respect to the product, user should seek legal advice or consult with the appropriate government agency.