



## 1. Product and Company Identification

**Product Code:** ZCEC A  
**Product Name:** Clear Seal Epoxy Resin  
**Company Name:** Crest Industries, Inc.  
1337 King Road  
Trenton, MI 48183  
**Phone Number:** (734)479-4141  
**Web site address:** crestauto.com  
**Emergency Contact:** Chemtel (800)255-3924  
International Calls (813)248-0585

## 2. Hazards Identification

**Skin Corrosion/Irritation, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 2B**  
**Skin Sensitization, Category 1**



**GHS Signal Word:** Warning  
**GHS Hazard Phrases:** H315 - Causes skin irritation.  
H320 - Causes eye irritation.  
H317 - May cause an allergic skin reaction.  
**GHS Precaution Phrases:** P280 - Wear gloves/protective clothing/eye protection.  
P210 - Keep away from open flames. - No smoking. P264 - Wash hands thoroughly after handling.  
P261 - Avoid breathing dust/fume.  
P362+364 - Take off contaminated clothing and wash it before reuse.  
**GHS Response Phrases:** P370+378 - In case of fire, use dry chemical, foam, carbon dioxide, or water fog to extinguish.  
P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
P332+313 - If skin irritation occurs, get medical advice/attention.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313 - If eye irritation persists, get medical advice/attention.  
P363 - Wash contaminated clothing before reuse.  
**GHS Storage and Disposal Phrases:** P403+235 - Store in cool/well-ventilated place.  
P501 - Dispose of contents/container to an approved treatment/storage/disposal facility in accordance with local/regional/national and international regulations.

**Potential Health Effects**  
**(Acute and Chronic):**

## 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
25068-38-6	Bisphenol-a based epoxy resin	20.00 - 50.00 %



### 4. First Aid Measures

**Emergency and First Aid**

**Procedures:**

- In Case of Inhalation:** If breathing is difficult, give oxygen. If inhaled, remove to fresh air. Get medical attention/advice if you feel unwell.
- In Case of Skin Contact:** In case of contact, immediately wash skin with soap and copious amounts of water.
- In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
- In Case of Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.
- Note to Physician:** Treat symptomatically and supportively.

### 5. Fire Fighting Measures

- Flash Pt:** > 93.0 C (199 F) Method Used: Estimate
- Explosive Limits:** LEL: UEL:
- Autoignition Pt:** NA
- Suitable Extinguishing Media:** Use foam, dry chemical, or carbon dioxide. Suitable: Water spray.
- Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Combustible liquid.

**Flammable Properties and Hazards:**

### 6. Accidental Release Measures

- Steps To Be Taken In Case Material Is Released Or Spilled:** Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Do not let this chemical enter the environment. Sweep up, place in a bag and hold for waste disposal.

### 7. Handling and Storage

- Precautions To Be Taken in Handling:** Do not ingest or inhale. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation.
- Precautions To Be Taken in Storing:** Keep away from sources of ignition. Store in a cool, dry place.

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
25068-38-6	Bisphenol-a based epoxy resin			
<b>Respiratory Equipment (Specify Type):</b>	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.			
<b>Eye Protection:</b>	Safety glasses.			
<b>Protective Gloves:</b>	Wear appropriate protective gloves to prevent skin exposure.			
<b>Other Protective Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.			
<b>Engineering Controls (Ventilation etc.):</b>	Use adequate ventilation to keep airborne concentrations low.			
<b>Work/Hygienic/Maintenance Practices:</b>	Wash thoroughly after handling.			



## 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [ X ] Liquid [ ] Solid  
**Appearance and Odor:** Gray.  
sweetish odor.  
**Melting Point:** NA  
**Boiling Point:** 260 C (500 F)  
**Flash Pt:** > 93.0 C (199 F) Method Used: Estimate  
**Evaporation Rate:**  
**Flammability (solid, gas):**  
**Explosive Limits:** LEL: UEL:  
**Vapor Pressure (vs. Air or mm Hg):**  
**Vapor Density (vs. Air = 1):**  
**Specific Gravity (Water = 1):** 1.062  
**Density:** ~ 1.1 G/CM3  
**Solubility in Water:**  
**Percent Volatile:**  
**Autoignition Pt:** NA

## 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability:** Incompatible materials, Excess heat.  
**Incompatibility - Materials To Avoid:** Strong oxidizing agents.  
**Hazardous Decomposition or Byproducts:** Carbon monoxide, silicon oxides.  
**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Reactions:**

## 11. Toxicological Information

### Toxicological Information:

**Carcinogenicity/Other Information:** CAS# 2238-07-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
25068-38-6	Bisphenol-a based epoxy resin	n.a.	n.a.	n.a.	n.a.

## 12. Ecological Information



### 13. Disposal Considerations

**Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.  
 RCRA P-Series: None listed.  
 RCRA U-Series: None listed.  
 Contact a licensed professional waste disposal service to dispose of this material.

### 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated.

**DOT Hazard Class:**

**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** No information available.

**UN Number:**

**Hazard Class:**

**TDG Classification:**

### 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
25068-38-6	Bisphenol-a based epoxy resin	No	No	No

**This material meets the EPA**  Yes  No Acute (immediate) Health Hazard  
**'Hazard Categories' defined**  Yes  No Chronic (delayed) Health Hazard  
**for SARA Title III Sections**  Yes  No Fire Hazard  
**311/312 as indicated:**  Yes  No Sudden Release of Pressure Hazard  
 Yes  No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
25068-38-6	Bisphenol-a based epoxy resin	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No

### 16. Other Information

**Revision Date:** 05/12/2014

**Additional Information About This Product:**

**Company Policy or Disclaimer:** The information contained in this SDS is believed to be accurate and reliable as of the date indicated. Crest Industries, Inc. assumes no legal responsibility and makes no representation, warranty or guarantee, expressed or implied, as to the completeness or accuracy of the information. It is offered solely for your consideration, investigation and verification. The user is ultimately responsible for the safe use of the material in accordance with applicable federal, state, provincial and local laws and regulations.



## 1. Product and Company Identification

**Product Code:** ZCEC B  
**Product Name:** Clear Seal Epoxy Hardener  
**Company Name:** Crest Industries, Inc.  
1337 King Road  
Trenton, MI 48183  
**Phone Number:** (734)479-4141  
**Web site address:** crestauto.com  
**Emergency Contact:** Chemtel (800)255-3924  
International Calls (813)248-0585

## 2. Hazards Identification

**Acute Toxicity: Oral, Category 4**  
**Skin Corrosion/Irritation, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 2B**  
**Skin Sensitization, Category 1**



**GHS Signal Word:** **Warning**

**GHS Hazard Phrases:** H302 - Harmful if swallowed.  
H315 - Causes skin irritation.  
H320 - Causes eye irritation.  
H317 - May cause an allergic skin reaction.

**GHS Precaution Phrases:** P264 - Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective gloves.  
P261 - Avoid breathing dust/vapours.

**GHS Response Phrases:** P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P330 - Rinse mouth.  
P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
P332+313 - If skin irritation occurs, get medical advice/attention.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313 - If eye irritation persists, get medical advice/attention.  
P363 - Wash contaminated clothing before reuse.

**GHS Storage and Disposal Phrases:** P501 - Dispose of contents/container to an approved treatment/storage/disposal facility in accordance with local/regional/national and international regulations.

**Potential Health Effects**  
**(Acute and Chronic):**

## 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
122-60-1	Phenyl glycidyl ether	80.00 - 90.00 %



## 4. First Aid Measures

### Emergency and First Aid

#### Procedures:

- In Case of Inhalation:** If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical attention/advice if you feel unwell.
- In Case of Skin Contact:** In case of contact, immediately wash skin with soap and copious amounts of water.
- In Case of Eye Contact:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
- In Case of Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.

## 5. Fire Fighting Measures

- Flash Pt:** > 93.0 C (199 F) Method Used: Estimate
- Explosive Limits:** LEL: UEL:
- Autoignition Pt:**
- Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or appropriate foam.
- Fire Fighting Instructions:** Specific Hazard(s): Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
- Flammable Properties and Hazards:**

## 6. Accidental Release Measures

- Steps To Be Taken In Case Material Is Released Or Spilled:** Use proper personal protective equipment as indicated in Section 8. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.

## 7. Handling and Storage

- Precautions To Be Taken in Handling:** User Exposure: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Do not breathe vapor.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
122-60-1	Phenyl glycidyl ether	PEL: 10 ppm	TLV: 0.1 ppm	
<b>Respiratory Equipment (Specify Type):</b>	A NIOSH/MSHA approved or European Standard EN 149 air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected.			
<b>Eye Protection:</b>	Safety glasses.			
<b>Protective Gloves:</b>	Hand: Compatible chemical-resistant gloves.			
<b>Other Protective Clothing:</b>				
<b>Engineering Controls (Ventilation etc.):</b>	Use adequate ventilation to keep airborne concentrations low.			
<b>Work/Hygienic/Maintenance Practices:</b>	Wash thoroughly after handling.			



## 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [ X ] Liquid [ ] Solid  
**Appearance and Odor:** White.  
sulfurous odor.  
**Melting Point:**  
**Boiling Point:** - 135 C (275 F)  
**Flash Pt:** > 93.0 C (199 F) Method Used: Estimate  
**Evaporation Rate:**  
**Flammability (solid, gas):**  
**Explosive Limits:** LEL: UEL:  
**Vapor Pressure (vs. Air or mm Hg):**  
**Vapor Density (vs. Air = 1):**  
**Specific Gravity (Water = 1):**  
**Density:** 1.064 G/CM3  
**Solubility in Water:**  
**Percent Volatile:**  
**Autoignition Pt:**

## 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability:**  
**Incompatibility - Materials To Avoid:** Strong oxidizing agents.  
**Hazardous Decomposition or Byproducts:** Hazardous Decomposition Products: silicon oxides. Carbon monoxide, Carbon dioxide, Nitrogen oxides.  
**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Reactions:**

## 11. Toxicological Information

### Toxicological Information:

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
122-60-1	Phenyl glycidyl ether	n.a.	2B	A3	n.a.

## 12. Ecological Information

## 13. Disposal Considerations

**Waste Disposal Method:** Contact a licensed professional waste disposal service to dispose of this material.

## 14. Transport Information



# SAFETY DATA SHEET

## Clear Seal Epoxy Hardener

**LAND TRANSPORT (US DOT):**

DOT Proper Shipping Name: Not Regulated.

DOT Hazard Class:

UN/NA Number:

**LAND TRANSPORT (Canadian TDG):**

TDG Shipping Name:

UN Number:

Hazard Class:

TDG Classification:

### 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
122-60-1	Phenyl glycidyl ether	No	No	No

This material meets the EPA  Yes  No Acute (immediate) Health Hazard'Hazard Categories' defined  Yes  No Chronic (delayed) Health Hazardfor SARA Title III Sections  Yes  No Fire Hazard311/312 as indicated:  Yes  No Sudden Release of Pressure Hazard Yes  No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
122-60-1	Phenyl glycidyl ether	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test, 8A; CA PROP.65: Yes; CA TAC, Title 8: Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 1497; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes

### 16. Other Information

Revision Date: 05/12/2014

**Additional Information About****This Product:****Company Policy or****Disclaimer:**

The information contained in this SDS is believed to be accurate and reliable as of the date indicated. Crest Industries, Inc. assumes no legal responsibility and makes no representation, warranty or guarantee, expressed or implied, as to the completeness or accuracy of the information. It is offered solely for your consideration, investigation and verification. The user is ultimately responsible for the safe use of the material in accordance with applicable federal, state, provincial and local laws and regulations.