

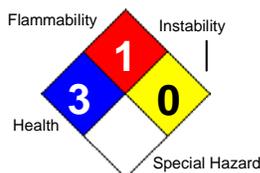
# SAFETY DATA SHEET

## 720 Cove Base Hardener - Part B

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### 1. Product and Company Identification

**Product Code:** 720-B  
**Product Name:** 720 Cove Base Hardener - Part B  
**Trade Name:** 720 Cove Base Hardener - Part B  
**Manufacturer Information**  
**Company Name:** Epoxy Systems, Inc.  
20774 W Pennsylvania Ave.  
Dunnellon, FL 34431  
**Phone Number:** +1 (352) 489-1666  
**Emergency Contact:** PERS (USA) (800) 633 8253  
**Alternate Emergency Contact:** PERS (International) +1 (801) 629 0667

### 2. Hazards Identification

GHS Classification	Placard	Key word	GHS hazard phrase
Skin Corrosion/Irritation, Category 1A	Corrosive	Danger	Causes severe skin burns and eye damage
Serious Eye Damage/Eye Irritation, Category 1	Corrosive	Danger	Causes serious eye damage
Acute Toxicity: Skin, Category 4	Exclamation point	Warning	Harmful in contact with skin
Acute Toxicity: Inhalation, Category 4	Exclamation point	Warning	Harmful if inhaled
Acute Toxicity: Oral, Category 4	Exclamation point	Warning	Harmful if swallowed

#### GHS Hazard Phrases

H314 - Causes severe skin burns and eye damage.  
H318 - Causes serious eye damage.  
H332 - Harmful if inhaled.  
H302 - Harmful if swallowed.

#### GHS Precaution Phrases

P262 - Do not get in eyes, on skin, or on clothing.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P273 - Avoid release to the environment.

#### GHS Response Phrases

P302+350 - IF ON SKIN: Gently wash with plenty of soap and water. P361 - Remove/Take off immediately all contaminated clothing. P363 - Wash contaminated clothing before reuse.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P311 - Call a POISON CENTER or doctor/physician.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P313 - Get medical advice/attention.

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### GHS Storage and Disposal Phrases

P404 - Store in a closed container. P501 - Dispose of contents/container to local, state, and federal authority requirements.

### Potential Health Effects (Acute and Chronic)

Corrosive to the eyes and may cause severe damage including blindness. Contact causes severe skin irritation and possible burns.

### Inhalation

Vapors are extremely irritating and corrosive. Irritating to the nose, throat and respiratory tract.

### Skin Contact

Harmful in contact with skin. Can cause chemical burn.

### Eye Contact

Corrosive/irritation to eyes. Causes eye burns.

### Ingestion

Harmful if swallowed. This product may produce corrosive damage to the gastrointestinal tract if it is swallowed. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

### Recommended Exposure Limits

Not established.

### OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

## 3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. *Poly(oxy(methyl-1,2-ethanediyl)	9046-10-0	60 - 80 %
2. Diethylenetriamine	111-40-0	15 - 25 %
3. 2,4-Pentanediol, 2-Methyl-	107-41-5	1.0 - 10 %
4. 4,4'-Isopropylidenediphenol	80-05-7	1.0 - 10 %
5. Bisphenol-a based epoxy resin	25068-38-6	1.0 - 10 %

## 4. First Aid Measures

### Emergency and First Aid Procedures

#### In Case of Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If experiencing respiratory symptoms: Get medical attention immediately.

#### In Case of Skin Contact

In case of contact, immediately wash skin with soap and copious amounts of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

#### 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. Get medical attention immediately.

#### In Case of Ingestion

If swallowed, wash out mouth with water provided person is conscious. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Get medical attention immediately.

### Signs and Symptoms Of Exposure

Eyes: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: Can cause severe skin burns. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Inhalation: Vapors are irritating to the respiratory system, may cause throat pain and cough.

## 5. Fire Fighting Measures

**Flash Pt:** > 200.00 F Method Used: Pensky-Marten Closed Cup  
**Explosive Limits:** LEL: NE UEL: NE  
**Autoignition Pt:** No data available.

### Fire Fighting Instructions

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### Flammable Properties and Hazards

Combustible material: may burn but does not ignite readily.

### Hazardous Combustion Products

In a fire, product may produce the following: Carbon monoxide, Carbon dioxide, Fire may produce irritating, corrosive and/or toxic gases.

### Suitable Extinguishing Media

Dry chemical, CO<sub>2</sub>, water spray or regular foam.

### Unsuitable Extinguishing Media

Do not use a direct water stream, which may spread fire.

## 6. Accidental Release Measures

### Steps To Be Taken In Case Material Is Released Or Spilled

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL.

Absorb with sand or vermiculite and place in closed containers for disposal. Ventilate the area.

### Protective Precautions, Protective Equipment and Emergency Procedures

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Where splashing is possible, full chemically resistant protective clothing, and boots are required.

### Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas.

## 7. Handling and Storage

### Hazard Label Information:

Avoid contact with skin and eyes. Do not get on skin and clothing. Avoid inhalation of vapor or mist.  
 Store in a closed container.

### Precautions To Be Taken in Handling

Provide adequate ventilation. Do not breathe vapor. Do not get in eyes, on skin or on clothing.

### Precautions To Be Taken in Storing

Store away from: Acids, Oxidizers, ketones.

### Other Precautions

Wash thoroughly after handling.

## 8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TWA	Other Limits
1. *Poly(oxy(methyl-1,2-ethanediyl)	9046-10-0	No data.	No data. TLV:	No data.
2. Diethylenetriamine	111-40-0	No data.	1 ppm TLV:	No data.
3. 2,4-Pentanediol, 2-Methyl-	107-41-5	No data.	25 ppm CEIL: 121 mg/m <sup>3</sup>	No data.
4. 4,4'-Isopropylidenediphenol	80-05-7	No data.	No data.	No data.
5. Bisphenol-a based epoxy resin	25068-38-6	No data.	No data.	No data.

### Protective Equipment Summary - Hazard Label Information:

Neoprene gloves Safety glasses, or goggles. Impervious clothing. Chemical resistant boots

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### Respiratory Equipment (Specify Type)

Use local exhaust ventilation to maintain airborne concentrations below the TLV, or if values are unknown. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

### Eye Protection

Safety glasses, or goggles.

### Protective Gloves

Chemical resistant gloves.

### Other Protective Clothing

Impervious clothing. Where splashing is possible, full chemically resistant protective clothing, safety glasses or face shield and boots are required.

### Engineering Controls (Ventilation etc.)

Good general ventilation should be sufficient to control airborne levels. Safety shower and eye bath.

### Work/Hygienic/Maintenance Practices

Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.

### Environmental Exposure Controls

Avoid runoff into storm sewers and ditches which lead to waterways.

## 9. Physical and Chemical Properties

<b>Physical States:</b>	[ ] Gas	[ X ] Liquid	[ ] Solid
<b>Melting Point:</b>	NE		
<b>Boiling Point:</b>	NE		
<b>Decomposition Temperature:</b>	NE		
<b>Autoignition Pt:</b>	No data.		
<b>Flash Pt:</b>	> 200.00 F Method Used: Pensky-Marten Closed Cup		
<b>Explosive Limits:</b>	LEL: NE	UEL: NE	
<b>Specific Gravity (Water = 1):</b>	~ .963		
<b>Density:</b>	~ 8.03 LB/GL		
<b>Vapor Pressure (vs. Air or mm Hg):</b>	NE		
<b>Vapor Density (vs. Air = 1):</b>	NE		
<b>Evaporation Rate:</b>	NE		
<b>Solubility in Water:</b>	NE		
<b>Percent Volatile:</b>	N.D.		
<b>VOC / Volume:</b>	NE		
<b>HAP / Volume:</b>	NP		
<b>Saturated Vapor Concentration:</b>	NE		

### Appearance and Odor

Odor: ammonia-like. Appearance: Liquid. Yellowish.

## 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]

### Reactivity

Avoid: acids, alkalis, oxidizing agents.

### Conditions To Avoid - Instability

Extreme temperatures.

### Incompatibility - Materials To Avoid

Strong oxidizing agents, acids, ketones.

### Hazardous Decomposition Or Byproducts

Fire may produce irritating, corrosive and/or toxic gases.

Hazardous decomposition products formed under fire conditions.

Carbon monoxide, Carbon dioxide, Nitrogen oxides.

**Possibility of Hazardous** Will occur [ ] Will not occur [ X ]

### Polymerization:

### Conditions To Avoid - Hazardous Reactions

Will not undergo hazardous polymerization in normal storage conditions.

## 11. Toxicological Information

### Toxicological Information

May cause sensitization by skin contact.

### Chronic Toxicological Effects

Skin sensitization.

### Irritation or Corrosion

Corrosive! Damages skin and eyes.

### Symptoms related to Toxicological Characteristics

Skin: Contact with substance may cause severe burns to skin. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Eyes: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Permanent eye damage including blindness could result.

Inhalation: Inhalation of vapors/fumes causes respiratory irritation with throat discomfort, coughing or difficulty breathing.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. *Poly(oxy(methyl-1,2-ethanediyl)	9046-10-0	n.a.	n.a.	n.a.	n.a.
2. Diethylenetriamine	111-40-0	n.a.	n.a.	n.a.	n.a.
3. 2,4-Pentanediol, 2-Methyl-	107-41-5	No	No	No	No
4. 4,4'-Isopropylidenediphenol	80-05-7	n.a.	n.a.	n.a.	n.a.
5. Bisphenol-a based epoxy resin	25068-38-6	n.a.	n.a.	n.a.	n.a.

## 12. Ecological Information

### General Ecological Information

Avoid release to the environment. Do not empty into drains. May be hazardous to the environment if released in large quantities.

### Results of PBT and vPvB assessment

No data available.

### Persistence and Degradability

Not readily biodegradable.

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**Bioaccumulative Potential**

No data available.

**Mobility in Soil**

not reported, unknown.

**13. Disposal Considerations**

**Waste Disposal Method**

Incinerate or dispose of unused material, residues and containers in a licensed facility in accordance with all applicable local, state and federal regulations. Do not discharge substance/product into sewage system.

**14. Transport Information**

**LAND TRANSPORT (US DOT)**

**DOT Proper Shipping Name** Amines, Liquid, Corrosive n.o.s. (Modified Polyamine)  
**DOT Hazard Class:** 8  
**DOT Hazard Label:** CORROSIVE  
**UN/NA Number:** UN2735  
**Packing Group:** III  
**Precautionary Label** Corrosive! Damages skin and eyes. Vapors may be harmful to the respiratory tract. May be harmful if swallowed.

**AIR TRANSPORT (ICAO/IATA)**

**ICAO/IATA Shipping Name** Amines, Liquid, Corrosive n.o.s. (Modified Polyamine)  
**UN Number:** 2735  
**Hazard Class:** 8 - CORROSIVE  
**Packing Group:** III

**MARINE TRANSPORT (IMDG/IMO)**

**IMDG/IMO Shipping Name** Amines, Liquid, Corrosive n.o.s. (Modified Polyamine)  
**UN Number: Hazard** 2735  
**Class: Packing** 8 - CORROSIVE  
**Group: IMDG EMS** III  
**Number: Marine** FA,SB  
**Pollutant:** No

**15. Regulatory Information**

**US EPA SARA Title III**

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. *Poly(oxy(methyl-1,2-ethanediyl)	9046-10-0	No	No	No	No
2. Diethylenetriamine	111-40-0	No	No	No	No
3. 2,4-Pentanediol, 2-Methyl-	107-41-5	No	No	No	No
4. 4,4'-Isopropylidenediphenol	80-05-7	No	No	Yes	No
5. Bisphenol-a based epoxy resin	25068-38-6	No	No	No	No

**Regulatory Information**

SARA Section 311/312: Acute Health Hazard.

**16. Other Information**

CA=CIRCA NA=NOT AVAILABLE NE=NOT ESTABLISHED NR=NOT REGULATED NP= NOT APPLICABLE PR=PROPRIETARY TS=TRADE SECRET ?=UNKNOWN.

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**Company Policy or Disclaimer**

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