

# Epocoat II Moisture Vapor Treatment Hardener - Part II

Printed: 04/15/2020

Revision: 04/14/2020

Supersedes Revision: 09/23/2015

## 1. Product and Company Identification

**Product Code:** EPOCOAT II

**Product Name:** Epocoat II Moisture Vapor Treatment Hardener - Part II

**Company Name:** Key Resin Company **Phone Number:**  
4050 Clough Woods Dr. +1 (513)943-4225  
Batavia, OH 45103

**Emergency Contact:** Chemtrec (USA) (800)424-9300  
Chemtrec (International) +1 (703)527-3887

**Intended Use:** Industrial floor coatings.

## 2. Hazards Identification

**Skin Corrosion/Irritation, Category 2**

**Acute Toxicity: Inhalation, Category 5**

**Serious Eye Damage/Eye Irritation, Category 2A**

**Skin Sensitization, Category 1A**



**Warning**

**GHS Hazard Phrases:** H315 - Causes skin irritation. H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H333 - May be harmful if inhaled.  
H303 - May be harmful if swallowed.

**GHS Precaution Phrases:** P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P362+364 - Take off contaminated clothing and wash it before reuse.

**GHS Response Phrases:** P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
P362 - Take off contaminated clothing.  
P333+313 - If skin irritation or rash occurs, seek 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.  
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. P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

**GHS Storage and Disposal Phrases:** P501 - Dispose of contents/container to local, state, and federal authority requirements.

**OSHA Regulatory Status:** This material is classified as hazardous under OSHA regulations.

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Revision: 04/14/2020

## Hardener - Part II

Supersedes Revision: 09/23/2015

**Potential Health Effects (Acute and Chronic):** May cause eye irritation. May cause skin irritation. May cause respiratory irritation.

**Inhalation:** May cause respiratory irritation.

**Skin Contact:** May cause skin irritation or burns. May cause sensitization by skin contact.

**Eye Contact:** Moderately irritating to the eyes.

**Ingestion:** May be harmful if swallowed.

**Medical Conditions Generally Aggravated By Exposure:** Skin disorders, Respiratory disorders, Eye disorders, Skin Allergies.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
13462-86-7	Barite (Ba(SO <sub>4</sub> ))	40 - 50 %	
14807-96-6	Talcum	10 - 20 %	
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	5.0 - 15 %	
13463-67-7	Titanium dioxide	5.0 - 10 %	
NA	Polyamine Polymer	1.0 - 5.0 %	

### 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. Call a physician.

**In Case of Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side. Get medical advice/attention.

**Signs and Symptoms Of Exposure:** May cause rash on skin, and redness in eyes. May cause coughing by inhalation of a mist or spray.

### 5. Fire Fighting Measures

**Flash Pt:** > 200.00 F (93.3 C) Method Used: Not Applicable

**Explosive Limits:** LEL: NE UEL: NE

**Autoignition Pt:** No data.

**Suitable Extinguishing Media:** Use water spray, foam, dry chemical, or carbon dioxide.

**Fire Fighting Instructions:** Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Use water spray to cool unopened containers.

**Flammable Properties and Hazards:** Product is not considered a fire hazard. Closed containers may rupture (due to build up in pressure) when exposed to extreme heat. Some of these materials may burn, but none ignite readily.

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Revision: 04/14/2020

## Hardener - Part II

Supersedes Revision: 09/23/2015

## 6. Accidental Release Measures

<b>Protective Precautions, Protective Equipment and Emergency Procedures:</b>	Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.
<b>Environmental Precautions:</b>	Prevent entry into waterways, sewers, basements or confined areas.
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL. Evacuate area. Absorb with sand or vermiculite and place in closed containers for disposal. Ventilate the area.

## 7. Handling and Storage

<b>Precautions To Be Taken in Handling:</b>	Provide adequate ventilation. Do not breathe vapor. Do not get in eyes, on skin or on clothing.
<b>Precautions To Be Taken in Storing:</b>	Keep from freezing. Keep container closed when not in use.
<b>Other Precautions:</b>	Wash thoroughly after handling.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
13462-86-7	Barite (Ba(SO <sub>4</sub> ))	No data.	No data.	No data.
14807-96-6	Talcum	PEL: 706 ppm/20 mppcf	TLV: 2 mg/m <sup>3</sup> (non-asbestos)	No data.
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	No data.	No data.	No data.
13463-67-7	Titanium dioxide	PEL: 15 (dust) mg/m <sup>3</sup>	TLV: 10 mg/m <sup>3</sup>	No data.
NA	Polyamine Polymer	No data.	No data.	No data.

<b>Respiratory Equipment (Specify Type):</b>	Normally when good engineering controls are used, no respiratory protection is needed. However, if cured product is abraded by sanding or grinding use a NIOSH approved air-purifying respirator. Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. 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.
<b>Eye Protection:</b>	Safety glasses, or goggles.
<b>Protective Gloves:</b>	Nitrile rubber and Neoprene are recommended.
<b>Other Protective Clothing:</b>	Where splashing is possible, full chemically resistant protective clothing, safety glasses or face shield and boots are required.
<b>Engineering Controls (Ventilation etc.):</b>	Good general ventilation should be sufficient to control airborne levels. Safety shower and eye bath.
<b>Work/Hygienic/Maintenance Practices:</b>	Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.
<b>Environmental Exposure Controls:</b>	Avoid release to the environment. Avoid runoff into storm sewers and ditches which lead to waterways.

## Epocoat II Moisture Vapor Treatment

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Revision: 04/14/2020

## Hardener - Part II

Supersedes Revision: 09/23/2015

## 9. Physical and Chemical Properties

<b>Physical States:</b>	[ ] Gas	[ X ] Liquid	[ ] Solid
<b>Appearance and Odor:</b>	Milky. amine-like.		
<b>Melting Point:</b>	No data.		
<b>Boiling Point:</b>	NE		
<b>Autoignition Pt:</b>	No data.		
<b>Flash Pt:</b>	> 200.00 F (93.3 C)	Method Used:	Not Applicable
<b>Explosive Limits:</b>	LEL: NE	UEL:	NE
<b>Specific Gravity (Water = 1):</b>	~ 1.834 - 1.882		
<b>Density:</b>	~ 15.3 - 15.7		
<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>	Soluble		
<b>Solubility Notes:</b>	Water soluble.		
<b>Saturated Vapor Concentration:</b>	NE		
<b>Percent Volatile:</b>	~ 50 % by volume.		
<b>VOC / Volume:</b>	NE		

## 10. Stability and Reactivity

<b>Stability:</b>	Unstable [ ]	Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	None known.	
<b>Incompatibility - Materials To Avoid:</b>	Strong oxidizing agents, acids, Nitrous acid and other nitrosating agents.	
<b>Hazardous Decomposition Or Byproducts:</b>	Carbon monoxide, Chlorine, Nitric Acids. Carbon dioxide, Nitrogen oxides, Ammonia.	
<b>Possibility of Hazardous Polymerization:</b>	Will occur [ ]	Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	Will not undergo hazardous polymerization in normal storage conditions.	

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### 11. Toxicological Information

<b>Toxicological Information:</b>	May cause sensitization by skin contact.
<b>Irritation or Corrosion:</b>	May cause skin, eye irritation/burns. May cause respiratory irritation.
<b>Symptoms related to Toxicological Characteristics:</b>	May cause rash on skin, and redness in eyes. May cause coughing by inhalation of a mist or spray.
<b>Chronic Toxicological Effects:</b>	Skin sensitization.

### 12. Ecological Information

<b>General Ecological Information:</b>	No data available.
<b>Results of PBT and vPvB assessment:</b>	No data available.
<b>Persistence and Degradability:</b>	Not readily biodegradable.
<b>Bioaccumulative Potential:</b>	not reported, unknown.
<b>Mobility in Soil:</b>	not reported, unknown.

### 13. Disposal Considerations

<b>Waste Disposal Method:</b>	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.
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### 14. Transport Information

**LAND TRANSPORT (US DOT):**
**DOT Proper Shipping Name:** Waterbase Solution, Not Regulated.

**DOT Hazard Class:**
**UN/NA Number:**
**MARINE TRANSPORT (IMDG/IMO):**
**IMDG/IMO Shipping Name:** Waterbase Solution, Not Regulated.

**AIR TRANSPORT (ICAO/IATA):**
**ICAO/IATA Shipping Name:** Waterbase Solution, Not Regulated.

### 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)
13462-86-7	Barite (Ba(SO <sub>4</sub> ))	No	No	Yes-Cat. N040
14807-96-6	Talcum	No	No	No
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	No	No	No
13463-67-7	Titanium dioxide	No	No	No
NA	Polyamine Polymer	No	No	No

<b>This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Acute (immediate) Health Hazard
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Chronic (delayed) Health Hazard
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Fire Hazard
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Sudden Release of Pressure Hazard
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Reactive Hazard

**SAFETY DATA SHEET**  
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**16. Other Information**

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**Hazard Rating System:**

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL</b>	<b>0</b>
<b>PPE</b>	<b>X</b>

**HMIS:**

**Additional Information About This Product:** CA=CIRCA NA=NOT AVAILABLE NE=NOT ESTABLISHED NR=NOT REGULATED NP= NOT APPLICABLE PR=PROPRIETARY TS=TRADE SECRET ?=UNKNOWN.

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