



## **SAFETY DATA SHEET – Kemresin**

### **Section 1 - Product and Company Identification**

**Manufactured by:** Kewaunee Scientific Corporation  
PO Box 1842 – Statesville, NC 28687-1842  
2700 West Front Street – Statesville, NC 28677  
Telephone: 704-873-7202  
Emergency Telephone (Chemtrec): 1-800-424-9300

**Date of Preparation:** May 26th, 2015

**Product Name:** Kemresin Products

**Product Class:** Epoxy Resin

### **Section 2 - Hazards Identification**

**Note:** The handling and use of this product as purchased is not anticipated to result in exposures to hazardous ingredients – as it is a completely cured and solid material. However, drilling and cutting of this product may result in the release of crystalline silica.

**GHS Classification:**  
Carcinogenicity – Category 2

**Symbols:**



**Signal Word:**

Warning

**Hazard Statements:**

Dust released during drilling and cutting suspected of causing cancer

May cause respiratory irritation

**Precautionary Statements:**

Use wet sanding or drilling/cutting techniques if possible

Use adequate local ventilation if drilling or cutting

Use appropriate respiratory protection with a particulate filter if drilling or cutting

### **Section 3 - Composition/Information on Ingredients**

<b>CAS #</b>	<b>Component</b>	<b>Percent</b>
025068-38-6	Epoxy Resin	20-30%
14808-60-7	Crystalline Silica	60-80%
Pigments, catalysts, additives (see below):	Components will vary due to color, etc. and the exact ratios are proprietary	10-30%
85-44-9	Phthalic Anhydride	-----
552-30-7	Trimellitic Anhydride	-----
1333-86-4	Carbon Black	-----
13463-67-7	Titanium Dioxide	-----

### **Section 4 - First Aid Measures**

**Eyes:**

Flush eyes with running water for 15 minutes if irritation develops. If irritation continues, contact a physician.

**Inhalation:**

Remove to fresh air until symptoms clear. Contact a physician if irritation continues or worsens.

**Ingestion:**

Do not induce vomiting, contact a physician.

**Skin:**

Clean skin with soap and water. If irritation continues, contact a physician

## **Section 5 - Fire Fighting Measures**

This product does not readily burn. However, thermal decomposition products such as carbon monoxide can be released if temperatures are high enough to support combustion.

### **Extinguishing media:**

Water fog, dry chemical or foam.

### **Special Fire Fighting Procedures:**

Use SCBA and appropriate personal protective equipment. Keep cool with water.

## **Section 6 - Accidental Release Measures**

The finished product is a solid so no special leak or spill procedures are necessary. Dust generated from drilling and cutting should be collected and disposed of according to local regulations.

## **Section 7 - Handling and Storage**

### **Handling procedures:**

No special handling procedures are necessary during normal handling of this product. Workers involved in cutting and drilling operations need to wash exposed skin before eating and after each shift. Exposed clothing should be removed or cleaned to avoid tracking dust into other areas. Personal protective equipment should be worn as described in Exposure Controls/Personal Protection section.

### **Storage procedures:**

Keep away from extreme heat.

## **Section 8 - Exposure Controls/Personal Protective Equipment**

**Note: No hazardous exposure is expected during normal use of this product requiring no engineering or personal protective equipment. However, cutting and drilling may result in the release of crystalline silica.**

### **Crystalline Silica (14808-60-7)**

**NIOSH TWA:** .05 mg/m<sup>3</sup> (as respirable dust)

**ACGIH TWA:** .1 mg/m<sup>3</sup> (as respirable dust)

**OSHA TWA:** .1 mg/m<sup>3</sup> (as respirable dust)

**Engineering measures:**

Use appropriate local ventilation and/or suction to control dust when drilling or cutting. Wet methods can also be used.

**Personal Protective Equipment: Respiratory**

Depending on exposure, use particulate respirator with at least an N95, R95 or P95 filter.

**Personal Protective Equipment: Hands**

Any general work glove can be used.

**Personal Protective Equipment: Eyes**

ANSI Z87 rated safety glasses or goggles should be worn.

**Personal Protective Equipment: Skin and Body**

Clothing should cover exposed skin to prevent excessive exposure.

## **Section 9 - Physical and Chemical Properties**

**Appearance:** Solid material of varying color

**Odor:** None

**Specific Gravity:** 1.97

**Vapor Pressure:** NA

**Vapor Density:** NA

**Boiling Point:** NA

**Solubility:** Insoluble

**pH:** NA

**Melting Point:** > 400 Fahrenheit

**Flash Point:** NA

**Evaporation Rate:** NA

**Upper/Lower Explosion Limits:** NA

**Auto-ignition Temperature:** Unknown

**Decomposition Temperature:** Unknown

**Viscosity:** NA

## **Section 10 - Stability and Reactivity**

**Reactivity:**

Stable

**Chemical Stability:**

Stable. Hazardous polymerization will not occur.

**Other:**

Avoid extreme heat

Avoid strong oxidizers

## **Section 11 - Toxicological Information**

### **Crystalline Silica (14808-60-7):**

**Acute Toxicity:** Ingestion, inhalation or eye contact can cause irritation.

**Mutagenicity:** No mutagen data has been reported

### **Carcinogenicity:**

**IARC** – Group 1 carcinogen (respirable function)

**ACGIH** – A2 – Suspected human carcinogen (respirable function)

**NIOSH** – Potential occupational carcinogen (respirable function)

**NTP** – Known carcinogen (respirable function)

**OSHA** – Select carcinogen

**Reproductive Toxicity:** No reproductive data has been reported

**STOT (Single Exposure):** Can cause respiratory irritation when overexposed

**STOT (Repeated Exposure):** Can cause silicosis and lung cancer when overexposed

**Aspiration Hazard:** Not expected to be an aspiration hazard

Shortness of breath, wheezing, cough, non-specific chest illnesses and progressive impairment of pulmonary function are symptoms of silicosis. Smoking aggravates this disease.

## **Section 12 - Ecological Information**

### **Toxicity:**

No data available. Not anticipated to be toxic

### **Persistence and Degradability:**

No data available. Not anticipated to degrade in a harmful manner

### **Bioaccumulative Potential:**

No data available. Not anticipated to have harmful potential

### **Mobility in Soil:**

No data available. Not anticipated to have harmful potential

Although not anticipated to be an environmental hazard, care should be taken to prevent dust from entering sewers and waterways.

## **Section 13 - Disposal Information**

This material as purchased is a non-hazardous solid and should be disposed of in a sanitary landfill according to local regulations.

## **Section 14 - Transportation Information**

**Proper Shipping Name:** This product as purchased is not subject to regulations governing transportation of hazardous materials.

**Hazard Class:** Not applicable

**UN Identification Number:** Not applicable

**Packing Group:** Not applicable

**DOT Label Required:** Not applicable

**ERG Number:** Not applicable

## **Section 15 - Regulatory Information**

This product as purchased is not subject to other regulatory requirements.

## **Section 16 – Other Information**

### **Glossary:**

**ACGIH**-American Conference of Governmental Industrial Hygienists; **ANSI**-American National Standards Institute; **CAS**-Chemical Abstract Service; **Chemtrec**-Chemical Transportation Emergency Center (US); **EPCRA**-Emergency Planning and Community Right-To-Know Act; **GHS**-Globally Harmonized System of Classification and Labeling of Chemicals; **HMIS**-Hazardous Material Information Service; **IARC**-International Agency for Research on Cancer; **LEL**-Lower Explosion Level; **NFPA**-National Fire Protection Association; **NIOSH**-National Institute of Occupational Safety and Health; **NTP**-National Toxicology Program; **OSHA**-Occupational Safety and Health Administration, US Dept. of Labor; **PEL**-Permissible Exposure Limit; **SARA** (Title III)-Superfund Amendments and Reauthorization Act; **SCBA**-Self-Contained Breathing Apparatus; **STEL**-Short Term Exposure Limit; **STOT**-Specific Target Organ Toxicity; **TLV**-Threshold Limit Value; **TSCA**-Toxic Substances Control Act; **TWA**-Time Weighted Value; **UEL**-Upper Explosion Level

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