SAFETY DATA SHEET
KRC #554 EPOXY BLOCK FILLER
PART A

1. Product and Company Identification

Product Code: KRC #554 EPOXYBLOCK FILLER PART A

Company Name: Key Resin Co.
4050 Clough Woods Drive Batavia,
Ohio 45103 Emergencies Involving
Spills, Leaks Fires, Exposures, or
Accidents

Phone Number:
(513) 943-4225

Emergency Contact: (513) 943-4225

2. Hazards Identification

Skin Sensitization, Category 1
Flammable Liquids, Category 3
Acute Toxicity: Skin, Category 4
Skin Corrosion/Irritation, Category 2
Acute Toxicity: Inhalation, Category 4
Target Organ Systemic Toxicity (repeated exposure), Category 2
Target Organ Systemic Toxicity (single exposure), Category 3

GHS Signal Word: **Danger**

GHS Hazard Phrases:
H317 – May cause an allergic skin reaction.
H226 – Flammable liquid and vapor.
H312 – Harmful in contact with skin.
H315 – Causes skin irritation.
H332 – Harmful if inhaled.
H373 – May cause damage to organs through prolonged or repeated exposure.
H335 – May cause respiratory irritation.

GHS Precaution Phrases:
P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 – Contaminated work clothing should not be allowed out of the workplace.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P233 – Keep container tightly closed.
P210 – Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P241 – Use explosion-proof electrical/ventilating/lighting/equipment.
P242 – Use only non-sparking tools.
P264 – Wash hands thoroughly after handling.
P271 – Use only outdoors or in a well-ventilated area.

GHS Response Phrases:
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P301+330+331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical aid.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention.
P370+378 - In case of fire, use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

GHS Storage and Disposal Phrases
P501-Contact a licensed professional waste disposal service to dispose of this material.
P403+235 – Store in cool/Well-ventilated place. Store locked up.

Potential Health Effects (Acute and Chronic):
Repeated or prolonged exposure may cause CNS stimulation.
Chronic inhalation may cause effects similar to those of acute inhalation.

Inhalation: May be harmful if inhaled. Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract infection. Vapors may cause dizziness or suffocation.

Skin Contact: May be harmful if absorbed through the skin. Prolonged and/or repeated contact may cause drying, cracking, or folliculitis. Causes skin irritation.

Eye Contact: Causes eye irritation. Causes redness and pain.

Ingestion: May be harmful if swallowed. May be harmful if inhaled. Causes respiratory tract irritation. Harmful if absorbed through skin. Causes skin irritation. Causes eye irritation. May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.

3. Composition on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
Proprietary	Epoxy resin	20.0 -30.0 %
1330-20-7	Xylene (mixed isomers)	8.0 -15.0 %
64742-95-6	Aromatic Solvent	5.0 -15.0 %
14808-60-7	Silicon Dioxide	1.0 -10.0 %
107-98-2	2-Propanol, 1-Methoxy-	1.0 -5.0 %
14807-96-6	Talc	1.0 -5.0 %
100-41-4	Ethylbenzene	1.0 -3.0 %

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. Remove from exposure and move to fresh air immediately. Get medical aid.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If skin irritation occurs, get medical advice/attention.

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: Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting. Get medical aid.

Signs and Symptoms Of Exposure: Central nervous system depression. Dermatitis. Abdominal pain, Nausea. Vomiting, Anorexia. Shortness of breath.

Note to Physician: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Treat symptomatically and supportively.

5. Fire Fighting Measures

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Fire Fighting Instructions: Use water spray to cool unopened containers. Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s): Flammable Liquid. Emits toxic fumes under fire conditions. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas.

Flammable Properties and Hazards: Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions. Forms explosive mixture in air.

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6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Personal precautions.
Use personal protective equipment.
Spills/Leaks: Control runoff and isolate discharged material for proper disposal. Use water spray to cool and disperse vapors and protect personnel.

7. Handling and Storage

Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Normal measures for preventive fire protection. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

Precautions To Be Taken in Storing: Containers which are opened must be carefully resealed and kept upright to prevent leakage. Suitable: Keep away from heat, sparks, and open flame.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA
Proprietary	Epoxy resin	N/E	N/E
1330-20-7	Xylene (mixed isomers)	PEL: 100ppm	TLV: 100ppm
64742-95-6	Aromatic Solvent	PEL: 100ppm	TLV: 100ppm STEL: 150ppm
14808-60-7	Silicon Dioxide	PEL: 8825ppm/(%SiO2+5)	TLV: 0.05mg/m3 (R)
107-98-2	2-Propanol, 1-Methoxy-	PEL: 100ppm	TLV: 100 ppm STEL: 150 ppm
14807-96-6	Talc	PEL: 706 ppm/20 mmppcf	TLV: 2 mg/m3 (non-asbestos)
100-41-4	Ethylbenzene	PEL: 100 ppm	TLV: 100 ppm STEL: 125 ppm

Respiratory Equipment: (Specify Type) For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

Eye Protection: Safety glasses with side shield. For a higher degree of protection, wear chemical splash goggles.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure, such as butyl rubber or nitrile rubber.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Wash thoroughly after handling. Wash contaminated clothing before reuse.

9. Chemical and Physical Properties

Physical States: [ ] Gas [X] Liquid [ ] Solid

Boiling Point: 285 ° F

Flash Pt: 80 ° F

Explosive Limits: LEL: 1.2 UEL: 13.74

Weight Per Gallon: 11.70 +/- .3

Vapor Pressure (mm Hg): 11.8 @ 77° F

Vapor Density: Heavier than air

Evaporation Rate: Slower than Ether

Percent Volatile: 40 (vol.)

10. Stability and Reactivity

Stability: Unstable [ ] Stable [X]

Conditions to Avoid-Instability: Heat, flames and sparks. Ignition sources.

Incompatibility – Materials To Avoid: Strong oxidizing agents, acids

Hazardous Decomposition Or Byproducts: Nature of decomposition products unknown.

Possibility of Hazardous Reactions: Will occur [ ] Will not occur [X]

Conditions To Avoid – Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: No data available

Irritation or Corrosion: No data available

Sensitization: No data available

Carcinogenicity: These products contain more than 0.1% crystalline silica (CAS#14808-60-7) which has been classified by IARC a Class 1 carcinogen. Normal application procedures pose no hazard since the silica is set and encapsulated, but grinding or sanding dried films may yield respirable silica dusts. Control exposures to less than 0.1 mg per cubic meter of air using approved dust filter respirators. Skin contact: Prolonged or repeated contact with product may cause slight skin irritation. Impervious gloves should be worn if prolonged skin contact is likely.

ACGIH Carcinogens

Quartz (CAS 14808-60-7) A2 Suspected human carcinogen

IARC Monographs, Overall Evaluation of Carcinogenicity

Quartz (CAS 14808-60-7) 1 Carcinogenic to humans

US NTP Report on Carcinogens: Known Carcinogen

Quartz (CAS 14808-60-7) Known to be human carcinogen

OSHA PEL: Exposure to airborne crystalline silica shall not exceed an 8 hour time weighted average limit as stated in 29CFR 1910.1000, Table-Z-1-A Air contaminants, specifically: Silica, Crystalline Quartz (Respirable) 0.1 -TWA: 01 MG/M3. NIOSH Maximum permissible conc. 0.05 MG/M3, 10 hour workday, 40 hour week. This product contains the following substances known to the State of California to cause cancer, birth defects, or other reproductive hazards: Benzene, Toluene, Crystalline Silica.

12. Ecological Information

General Ecological Information: No data available

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available

13. Disposal Considerations

Waste Disposal Method: Dispose of as unused product. This material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

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14. Transport Information

LAND TRANSPORT (US DOT): Consumer commodity – ORM-D – Used for 1 gallon containers when shipped in the United States of America
DOT Proper Shipping Name: UN1263, Paint Related Material, 3, PG III – 5 Gallon pails

Marine Transport UN1263, Paint Related Material, 3, PG III

IMDG Shipping:
AIR TRANSPORT (ICAO/IATA): UN1263, Paint Related Material, 3, PG III
IATA Shipping Name:

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)
Proprietary	Epoxy resin	No	No	No
1330-20-7	Xylene (mixed isomers)	No	Yes 100 LB	Yes
64742-95-6	Aromatic Solvent	No	No	No
14808-60-7	Silicon Dioxide	No	No	No
107-98-2	2-Propanol, 1-Methoxy-	No	No	No
14807-96-6	Talc	No	No	No
100-41-4	Ethylbenzene	No	Yes 1000 LB	Yes

V.O.C (mixed) 2.83 LBS/GL (339 GMS/L)

19. Other Information

Revision Date: 10/22/2015
Additional Information About this Product:

Hazardous Material Information System III (U.S.A.)

Health: 2*
Flammability: 3
Reactivity: 0
Personal Protection: *

Caution: HMIS® ratings are based on a 0-4 scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDS's under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J.J. Keller (800) 327-6868.

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by KRC., and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.