

# MATERIAL SAFETY DATA SHEET

Manufactured by: Kewaunee Scientific Corporation  
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Date of Preparation: July 24, 2003 Telephone: 704-873-7202  
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## Section I-Product Identification

Product Name: Black Kemresin  
Product Number: KR-100  
Product Class: Epoxy Resin

## Section II-Hazardous Ingredients

Ingredient [CAS No.]	Percent	TWA/PEL
Cured Epoxy Resin	30	Not Est.
*Silicon Dioxide [14808-60-7]	70	<u>10mg/m3</u> % Silica+2
Carbon Black [133-86-4]	1	3.5mg/m3

\*Some studies indicate that this mineral dust may be a carcinogen.

## Section III-Physical Data

Appearance: Black solid material  
Specific Gravity: 1.97  
Solubility: Nil  
%Volatile Volume: 0

Product Name: Black Kemresin

#### **Section IV-Fire and Explosion Data**

Flammability Classification: Combustible      Flash Point: NA  
Extinguishing Media: Water fog, dry chemical or foam.

Unusual Fire and Explosion Hazards: During emergency conditions, exposure to decomposition products may cause a health hazard.

Special Fire Fighting Procedures: Kee cool with water. Wear full protective equipment including self-contained breathing apparatus.

#### **Section V-Reactivity Data**

Time Weighted Average/TLV/PEL: Cured resin is inert and does not create any adverse exposures. Operations in which the resin is mechanically abraded(drilling, sawing, etc.) may release silica and other decomposition products which may cause irritation of upper respiratory system. While silica is listed as a possible carcinogen, the exposure from this use should not present a carcinogenic hazard.

Emergency and First Aid Procedures: For exposure to decomposition products, remove victim to fresh air and call physician.

#### **Section VI-Reactivity Data**

Stability: Material is stable      Incompatibility: Avoid strong oxidizers

Hazardous decomposition products during fire: Carbon monoxide, aldehydes, and other unidentified organics. Silica may be released during drilling or sawing.

Hazardous polymerization:      Will not occur

#### **Section VII-Spill or Leak Response**

This material is solid, and should be disposed of in a landfill or other designated waste disposal area.

Product Name: Black Kemresin

**Section VIII-Special Protection**

Respiratory protection: None required under normal use. An approved respirator should be worn during machining operations.

Ventilation: Mechanical (general) ventilation is adequate for most machining operations on the material.

Gloves: None required

Eyes: Wear safety glasses when machining or cutting material. Otherwise: N/A

Other PPE: None required

**Section IX-Handling and Storage Procedures**

Keep away from extreme heat.

**Section X-Regulatory Information**

Does not apply.