

**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME:** KEY #537-Part B **HMIS CODES:** H F R P  
**PRODUCT CODE:** KR-537-B 2 1 0 B

**SECTION 1: MANUFACTURER IDENTIFICATION**

**MANUFACTURER'S NAME:** KEY RESIN COMPANY  
**ADDRESS:** 4050 Clough Woods Drive  
Batavia, OH 45103  
**EMERGENCY NUMBER:** 1-800-424-9300 **DATE PRINTED:** 05/14/12  
**INFORMATION NUMBER:** 1-513-943-4225 **PREPARER:** R. CAIN

**SECTION 2: HAZARDOUS INGREDIENTS**

<b>HAZARDOUS COMPONENTS</b>	<b>CAS NUMBER</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>WT %</b>	<b>CARCINOGEN</b>
Polyamine Resin Adduct Emulsion	Mixture	NE	NE	40-60	NO
Titanium Dioxide	13463-67-7	NE	NE	1-10	NO
Silica	14808-60-78	0.01	NE	30-40	NO

Substances listed are present in concentration of 1% or greater, or 0.1% if cited as a potential Carcinogen in the OSHA hazards communication standard. Where proprietary ingredient is listed, the identity is available as provided in 29 CFR 1910.1200.

NE - Not Established

**SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS**

**BOILING RANGE** Above 400° F  
**VAPOR DENSITY** Approx. 3.5 (Air = 1)  
**VAPOR PRESSURE** Less than 1 mm Hg @ 100° F  
**VOC** 0.00  
**SOLUBILITY IN WATER** Very slight  
**APPEARANCE AND ODOR** opaque yellow liquid with a mild, amine odor  
**SPECIFIC GRAVITY (H2O=1)** 1.58

**SECTION 4: FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** NA  
**FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER:** 1.3%  
**UPPER:** 6.0%  
**EXTINGUISHING MEDIA:** Not Applicable  
**OSHA FLAMMABILITY CLASSIFICATION:** Not Applicable  
**SPECIAL FIRE FIGHTING PROCEDURES:** Full protective equipment including self contained breathing apparatus should be used. Water spray may be ineffective. If water is used, for nozzles are preferable. Water may be used to cool closed containers to prevent build up and possible auto ignition or explosion when exposed to extreme heat.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** During Emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Closed containers may explode (due to the build up of steam pressure) when exposed to extreme heat.

#### SECTION 5: REACTIVITY DATA

**STABILITY:** This product is stable under normal storage conditions.

**CONDITIONS TO AVOID:** Elevated temperatures.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Amines Peroxides and Oxidizers

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Thermal decomposition and partial combustion may produce hazardous fumes which may contain the following materials: Carbon Monoxides

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

#### SECTION 6: HEALTH HAZARD DATA

##### HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

**INHALATION:** Acute: May cause headache and nausea.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Possible primary irritant. (Material is slightly alkaline). Eye Contact: Primary irritant.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

**HEALTH HAZARDS (ACUTE AND CHRONIC):** Chronic: reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Overexposure to components of this material has been suggested to cause health effects to the following organs: eyes, skin, respiratory system (nose, throat, and lungs), liver, kidney, digestive tract, spleen, blood.

**CARCINOGENICITY:**                    **NTP CARCINOGEN:**                    **IARC MONOGRAPHS:**                    **OSHA REGULATED:**

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** persons with impaired lung functions, asthma-like conditions, or skin disorders may experience difficulties while using this product.

**PRIMARY ROUTE(S) OF ENTRY:** Inhalation dermal

##### EMERGENCY AND FIRST AID PROCEDURES:

**EYES:** Splash. Flush immediately with large amounts of water for at least 15 minutes. Take to a physician for medical treatment.

**SKIN:** Splash. Remove with mineral spirits then wash with soap and water. Remove contaminated clothing. Consult a physician.

**VAPORS:** Remove from exposure. Restore breathing. Keep warm and quiet. Notify a physician.

#### SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Contain and remove with inert absorbent and non-sparking tools.

**WASTE DISPOSAL METHOD:** Dispose in accordance with local, state, and federal regulations. Incinerate in approved facility. Do not incinerate closed containers.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Do not store above 120 F. Close container after each use. Store large quantities only in buildings designed to comply with OSHA 1910.106. Use approved grounding procedures when pouring or pumping. Never use pressure to empty drums. Drum is not a pressure vessel.

**OTHER PRECAUTIONS:** Do not take internally. This material is electrically conductive. Do not apply by electrostatic spray equipment unless the equipment has been modified and intended for the application of conductive coatings. **IMPORTANT!** This product must be blended with other components before it can be used. Before opening the package, consult all label warnings and material safety data sheets. Follow all precautions. Mixtures will have hazards of all components. Volatile of this product are principally water. Boiling range given in Section III is for hazardous volatile organic solvents. A higher boiling non hazardous solvent may be present.

#### SECTION 8: CONTROL MEASURES

**RESPIRATORY PROTECTION:** In restricted areas use approved chemical-mechanical respirator filters to remove both particles and vapor. In confined areas use approved respirators with external air supply.

**VENTILATION:** Provide local exhaust ventilation sufficient to insure a vapor concentration well below TLV and LEL in section II.

**PROTECTIVE GLOVES:** Required (Neoprene or Nitrile Rubber). Non-permeable gloves recommended (latex, rubber, etc.)

**EYE PROTECTION: OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Use safety eye wear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Prevent prolonged skin contact with contaminated clothing.

**WORK/HYGIENIC PRACTICES:** Wash hands before eating, smoking, or using washroom.

#### SECTION 9: REGULATORY INFORMATION

**D. O. T. PROPER SHIPPING NAME:** Water Based Solution, Non-Hazardous

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**UN/NA ID NUMBER:**

#### SECTION 10: DISCLAIMER

Data and recommendations presented herein are based upon our and other researchers and are believed to be accurate. The products discussed are distributed without warranty (expressed or implied) and the customer shall make his own determination of suitability for his particular purpose.