

**MATERIAL SAFETY DATA SHEET**  
**KEY RESIN #445 URETHANE SEALER PART B**

**PRODUCT NAME:** KEY #445 URETHANE SEALER PART B  
**PRODUCT CODE:** KEY-445-RCB

**HMIS CODES:** H F R P  
2 1 1 --

**SECTION 1: MANUFACTURER IDENTIFICATION**

**MANUFACTURER'S NAME:** KEY RESIN COMPANY  
**ADDRESS:** 4061 Clough Woods Drive  
Batavia, OH 45103  
**EMERGENCY NUMBER:** 1-800-424-9300  
**INFORMATION NUMBER:** 1-513-943-4225  
**DATE PRINTED:** 03/07/06  
**NAME OF PREPARER:** R. CAIN

**SECTION 2: HAZARDOUS INGREDIENTS/SARA III INFORMATION**

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	WT %	VAPOR PRESS.
Aliphatic Polyisocyanates	Trade Secret	NE	NE	12-25	NE
Hexamethylene Diisocyanate	822-06-0	NE	.005 ppm	<0.2	NE
HDI based Polyisocyanate	Trade Secret	NE	NE	75-85	NE

**SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS**

**BOILING RANGE** : NE  
**VAPOR DENSITY** : NE  
**SOLUBILITY IN WATER** : No  
**APPEARANCE AND ODOR** : Clear/pale yellow liquid with slight odor  
**EVAPORATION RATE** : NE  
**PERCENT VOC BY VOLUME** : Negligible

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

**FLASH POINT:** 200° F  
**METHOD USED:** Closed Cup  
**FLAMMABLE LIMITS IN AIR BY VOLUME -** **LOWER:** Not Established  
**UPPER:** Not Established  
**EXTINGUISHING MEDIA:** Foam, Alcohol Foam, CO2, Dry Chemical  
**OSHA FLAMMABILITY CLASSIFICATION:** Not Applicable  
**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH/MSHA approved self contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool. Water may be ineffective as an extinguishing agent.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along the ground or be moved by ventilation to ignition sources at locations distant from material handling point. Pressure may build up in containers and create an explosion hazard.

**SECTION 5: REACTIVITY DATA**

**STABILITY:** Stable  
**CONDITIONS TO AVOID:** High heat and moisture.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Water, amines, strong bases, alcohols, metal compounds and surface active materials.  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** High heat and fire: carbon dioxide, carbon monoxide, oxides of nitrogen, traces of HCN, HDI.  
**HAZARDOUS POLYMERIZATION:** May occur. Contact with moisture or other materials which react with isocyanates or temperatures over 400°F may cause polymerization.

## SECTION 6: HEALTH HAZARD DATA

### HEALTH RISKS AND SYMPTOMS OF OVEREXPOSURE:

**EYES:** Irritation, burning, tearing, and redness.

**SKIN:** Moderate irritation or defatting of skin upon prolonged or repeated contact.

**INGESTION:** Abdominal pain, nausea, vomiting and diarrhea.

**INHALATION:** Excessive exposure to vapors can cause headache, dizziness, uncoordination, nausea, and loss of consciousness.

### EMERGENCY AND FIRST AID PROCEDURES:

**EYES:** Flush with cool water for at least 15 minutes. Call a physician.

**SKIN:** Remove contaminated clothing, wash skin with soap and water. Launder contaminated clothing before reuse.

**INGESTION: Do Not Induce Vomiting.** Get medical attention immediately.

**INHALATION:** Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**CARCINOGENICITY:** NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

## SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Dike spill area. Soak up with absorbent material and place in sealed metal containers for proper disposal.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with local, state and federal EPA regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Store in dry area. Keep away from open flames and high temperatures.

**OTHER PRECAUTIONS:** Minimize contact. Avoid breathing vapors. Practice good industrial hygiene and safe working practices.

## SECTION 8: CONTROL MEASURES

**RESPIRATORY PROTECTION:** Use NIOSH approved carbon mask respirator under appropriate OSHA standards and regulations. A combination of both proper ventilation and respiratory protection would tend to eliminate most risks.

**VENTILATION:** Local exhaust is recommended.

**PROTECTIVE GLOVES:** Chemical resistant gloves.

**EYE PROTECTION:** Wear liquid chemical goggles. Contact lenses should not be worn.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Eye wash facility and safety shower recommended. Long sleeve shirts and pants.

**WORK/HYGIENIC PRACTICES:** Wash hands with soap and water after using and before eating.

## SECTION 9: REGULATORY INFORMATION

**D. O. T. PROPER SHIPPING NAME:** Polyisocyanate

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**HAZARD CLASS:** Not Regulated by DOT, IMO, or ICAO

**UN/NA ID NUMBER:**

**PACKING GROUP**

## 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.