

**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME:** KEY #587 Water Emulsion Primer PART B      **HMIS CODES:** H F R P  
**PRODUCT CODE:** KR-587-B

**SECTION 1: MANUFACTURER IDENTIFICATION**

**MANUFACTURER'S NAME:** KEY RESIN COMPANY  
**ADDRESS:** 4061 Clough Woods Drive  
Batavia, Ohio 45103  
**EMERGENCY NUMBER:** 1-800-424-9300      **DATE PRINTED:** 03/15/12  
**INFORMATION NUMBER:** 1-513-943-4225      **PREPARER:** R. CAIN

**SECTION 2: HAZARDOUS INGREDIENTS**

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH		CARCINOGEN
			TLV	WT %	
Water		NE	NE	>30	NO
Amine Adduct	NE	NE	NE	<70	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** >212° F  
**VAPOR DENSITY** Not determined  
**VAPOR PRESSURE** 17.7  
**VOC** 0  
**SOLUBILITY IN WATER** Dispersible  
**APPEARANCE AND ODOR** Low viscosity, yellow/green liquid with a mild amine odor  
**SPECIFIC GRAVITY (H2O=1)** 1.0

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

**FLASH POINT:** (closed cup) - 104°C (219.2°F)  
**FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER:** 1.3%  
**UPPER:** 6.0%  
**EXTINGUISHING MEDIA:** Water spray, alcohol foam, dry chemical, sand  
**OSHA FLAMMABILITY CLASSIFICATION:** Class 111B  
**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:** May generate toxic or irritating combustion products. Sudden reaction and fire may result if product is mixed with an oxidizing agent. May generate carbon monoxide gas. May generate toxic nitrogen oxide gasses. May generate ammonia gas. Personnel in vicinity and downwind should be evacuated.

**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, Nitrogen Oxide Gasses.

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

**HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Prolonged or repeated contact may cause skin and eye irritation.

**HEALTH HAZARDS (ACUTE AND CHRONIC):**

**INHALATION:** May cause irritation to upper respiratory tract.

**SKIN:** Prolonged contact may cause irritation.

**EYE:** Will cause injury that will persist for several days.

**INGESTION:** Can cause headaches and nausea.

**CARCINOGENICITY:**

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

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Repeated exposure to this product may cause eye and respiratory tract irritation and respiratory sensitization.

**EMERGENCY AND FIRST AID PROCEDURES:**

**EYES:** Flush with water for at least 15 minutes. Get medical attention if irritation persists.

**SKIN:** Remove contaminated clothing. Wash exposed areas with soap and water.

**INGESTION:** Do not induce vomiting. Dilute with large amount of water. Seek medical attention.

**INHALATION:** In case of exposure to high vapor mist, remove person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention.

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

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Dike spill, absorb with inert material and collect for disposal. Prevent washing from entering waterways before being neutralized.

**WASTE DISPOSAL METHOD:** Observe local, state and Federal regulations for disposal.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Store in a cool, dry, well ventilated area. Protect container against physical damage. Keep container away from incompatible material (see section 5).

**OTHER PRECAUTIONS:** Wash thoroughly after handling. Do not wear any contaminated clothing or shoes. Use good personal hygiene practices.

#### **SECTION 8: CONTROL MEASURES**

**RESPIRATORY PROTECTION:** Recommended if the product is misted.

**VENTILATION:** Local exhaust.

**PROTECTIVE GLOVES:** Wear rubber gloves to prevent direct contact.

**EYE PROTECTION:** Wear splash-proof safety goggles.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Eye wash & safety shower.

**WORK/HYGIENIC PRACTICES:** Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Use good personal hygiene practices.

#### **SECTION 9: REGULATORY INFORMATION**

**D. O. T. PROPER SHIPPING NAME:** Water-Based Resin

**PROPER SHIPPING NAME:** Resin Compound - Not DOT Regulated

**HAZARD CLASS:** non-hazardous

**UN/NA ID NUMBER:**

**ICAO/IATA Shipping Data - Resin Compound - Not IATA Regulated**

**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.