

PRODUCT NAME: 87-117B  
 DESCRIPTION: ACID RESISTANT FLOOR COATING

HMIS CODES:  
 0 = NONE ... 4 = EXTREME  
 HEALTH : 3  
 FIRE : 3  
 REACTIVITY: 0  
 PERSONAL PROTECTION: D

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: Key Polymer Corporation  
 ADDRESS : 17 Shepard St.  
 Lawrence, Ma. 01843

CHEMTREC EMERGENCY PHONE: (800) 424-9300      DATE PRINTED : 5/17/2005  
 INFORMATION PHONE : (978) 683-9411      DATE LAST REVISED: 12/15/97

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

| REPORTABLE COMPONENTS                      | CAS NUMBER | VAPOR PRESSURE |      | WEIGHT     |
|--|------------|----------------|------|------------|
|  |            | MM HG @ TEMP   |      | PERCENT    |
| ALIPHATIC AMINE                            | MIXTURE    | <1.0           | 20øC | 50 to 85   |
| * XYLENE                                   | MIXTURE    | 9              | 68F  | 5 to 15    |
| OSHA PEL: TWA = 100 PPM                    |            |                |      |            |
| OSHA VPEL: TWA = 100 PPM : STEL = 150 PPM  |            |                |      |            |
| ACGIH TLV: TWA = 100 PPM : STEL = 125 PPM  |            |                |      |            |
| VAR SOL PETROLEUM HYDROCARBON              |            | 2              | 68øF | 1.0 to 5.0 |
| OSHA TWA 100 PPM                           |            |                |      |            |
| ACGIH TWA 100 PPM                          |            |                |      |            |
| * XYLENE (MIXED ISOMERS)                   | 1330-20-7  | 9              | 25øC | 1.0 to 5.0 |
| OSHA, ACGIH: TWA = 100 ppm, STEL = 150 ppm |            |                |      |            |
| * ETHYL BENZENE                            | 100-41-4   | 10             | 79F  | 1.0 to 5.0 |
| OSHA PEL: TWA = 100 PPM                    |            |                |      |            |
| OSHA VPEL: TWA = 100 PPM : STEL = 125 PPM  |            |                |      |            |
| ACGIH TLV: TWA = 100 PPM : STEL = 125 PPM  |            |                |      |            |

SARA 313: \* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

APPEARANCE AND ODOR: Amber Liquid Solvent odor  
 SOLIDS IN WEIGHT %: 90  
 WEIGHT PER GALLON: 8.1 lb/gl      SPECIFIC GRAVITY (H2O=1): .973  
 BOILING RANGE: >212øF  
 EVAPORATION RATE: Slower than n-butyl acetate  
 VAPOR DENSITY: Heavier than air      V.O.C.: 0.814 lb/gl

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

OSHA FLAMMABILITY CLASS: Flammable Liquid, Class 1B  
 FLASH POINT: 73 - 100 F      METHOD USED: No Data  
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER (LEL): No Data      UPPER (UEL): No Data  
 EXTINGUISHING MEDIA: Foam, Carbon Dioxide or Dry Chemical  
 SPECIAL FIREFIGHTING PROCEDURES: Wear positive pressure self-contained NOISH

approved breathing equipment.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Sealed container may rupture. Keep cool with water.

===== SECTION V - REACTIVITY DATA =====

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** Mixture with or exposure to incompatible materials (see below.)

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizing agents   Strong acids  
Acids   Reactive Metals

**HAZARDOUS DECOMPOSITION BYPRODUCTS:** Carbon monoxide   Carbon dioxide  
Aldehydes   Oxides of nitrogen   Oxides of sulfur   Hydrogen sulfide   Various hydrocarbons

===== SECTION VI - HEALTH HAZARD DATA =====

**HEALTH HAZARDS (ACUTE AND CHRONIC):** Liquid contact is corrosive to the skin or eyes. Severe damage or skin sensitization may occur. Vapors/mists may be irritating to the eyes and corrosive to the upper respiratory tract.

High vapor concentrations greater than approximately 1000 ppm are irritating to the eyes and the respiratory tract, may cause headaches, dizziness, anesthesia, and may have other central nervous system effects.

High concentrations of vapors may cause irritation of the eyes, nose, throat and lungs and signs of central nervous system effects (ie., headaches, nausea, loss of coordination, drowsiness, dizziness and fatigue). Prolonged or repeated exposure may cause liver and or kidney damage. Respiratory symptoms associated with pre-existing lung disorders (ie., asthma-like conditions) may be aggravated.

Exposure to liquid may cause eye or skin irritation, may be harmful or fatal if swallowed and may cause severe chronic or systemic toxicity.

Occasional skin contact will not result in significant irritation unless evaporation is impeded. Frequent or prolonged contact may irritate and cause dermatitis or aggravate an existing skin condition.

Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. Preexisting skin or respiratory tract allergies may increase the chance of developing increased allergy symptoms from exposure to this product. Preexisting liver, kidney and nervous system diseases and disorders may be aggravated by exposure to this product.

**EMERGENCY AND FIRST AID PROCEDURES:**

**INHALATION:** Remove to fresh air.

**EYE CONTACT:** Flush with water for 15 minutes with lids open. Seek medical attention.

**SKIN CONTACT:** Remove contaminated clothing. Wash affected area with soap and water.

**CARCINOGENICS:** No Data

**NTP CARCINOGEN:** No Data

**IARC MONOGRAPHS:** No Data

**OSHA REGULATED:** No Data

=====**SECTION VII - PROCEDURES FOR SAFE HANDLING AND USE; SPILLS; DISPOSAL**=====

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Containers of solvent containing products must be resealed and kept tightly closed when not in use. This will prevent solvent evaporation and skinning. Containers should be stored away from temperature extremes and direct sunlight. Store in a cool, dry place with adequate ventilation. Bond and ground containers when transferring liquid. Store and handle away from heat, flames and oxidizing materials. Do not breathe vapors or mists. Do not get liquid in eyes, on skin or on clothing.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Spill area will be slippery. Contain spill. Recover as much as possible for reuse. Spread commercial absorbant over remainder and place into sealed containers for disposal.

**WASTE DISPOSAL METHOD:** Dispose in accordance with local, state and federal regulations. Most states prohibit disposal of liquids in landfills.

**OTHER PRECAUTIONS:** As with all chemicals, good industrial hygiene and proper work habits should be observed.

=====**SECTION VIII - PERSONAL PROTECTION RECOMMENDATIONS**=====

**RESPIRATORY PROTECTION:** For confined areas or areas with poor ventilation, use a organic vapors cartridge type respirator. Avoid inhaling the vapors in the headspace of containers. Respirators must be used if vapor concentrations exceed PEL's.

**VENTILATION:** Mechanically exhaust vapors at point(s) of application. If applicable, maintain airborne contaminant levels of chemicals below their recommended TLV's. (See section II)

**PROTECTIVE GLOVES:** Impervious.

**EYE PROTECTION:** Splash Goggles.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Chemically resistant outer clothing or apron.

**WORK/HYGIENIC PRACTICES: Wash thoroughly before eating or smoking.**

**===== SECTION IX - DISCLAIMER =====**

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Since the use of this information, these opinions and the conditions of use of the product are not within the control of the Key Polymer Company, it is the user's obligation to determine the conditions of safe use of the product.