

**MATERIAL SAFETY DATA SHEET
VINYL ESTER COATING/BINDER PART B**

PRODUCT NAME KEY VINYL ESTER COATING/BINDER PART B
PRODUCT CODE: KEY VNC/B RCB

HMIS CODES: H F R P
3 3 2 C

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: 03/28/06
NAME OF PREPARER: R. CAIN

SECTION 2: HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	WT %	CARCINOGEN
Cumene Hydroperoxide*	80-15-9	NE	NE	90-100	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 provided in 29 CFR 1910.1200.

*This product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and 40 CFR 372. See Section 9: Regulatory Information of this MSDS.

NE - Not Established

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE : NE
VAPOR DENSITY (AIR = 1) : 5.4
VAPOR PRESSURE : 1mm @ 73° C
VOC : 100% by volume
SOLUBILITY IN WATER : Slight
APPEARANCE : Clear to yellow liquid with sharp aromatic odor
SPECIFIC GRAVITY (H20=1) : 1.028
EVAPORATION RATE : Heavier than air

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 133° F

METHOD USED: PMCC

FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: NE
UPPER: NE

EXTINGUISHING MEDIA: Water fog, dry chemical, foam.

SPECIAL FIRE FIGHTING PROCEDURES: If large amount is involved, evacuate area and fight fire from safe distance. Cool surrounding material with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contamination, Temperature - Can decompose with force if confined during exposure to fire or contaminated with transition metals such as Cobalt.

SECTION 5: REACTIVITY DATA

STABILITY: Unstable

CONDITIONS CONTRIBUTING TO INSTABILITY: Exposure to heat, contamination.

INCOMPATIBILITY: Avoid contact with strong acids, strong oxidizers, strong alkalis, transition metal salts, reducing agents and vermiculite.

CONDITIONS TO AVOID: Heat, flames, sparks, ignition sources, contamination.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Decomposition products are flammable.

SECTION 6: HEALTH HAZARD DATA

TOXICITY DATA: The acute toxicity data for the most hazardous component of the mixture is shown below.

ORAL LD 50: (rat) 800-1600 mg/Kg*
DERMAL LD 50: (rabbit) severe irritation (delayed)*
INHALATION LD 50: (rat) 700 ppm*

*Tests run on 83% material.

MUTAGENICITY

AMES TEST: Positive
DOMINANT LETHAL MUTATION TEST (mice): Negative

CARCINOGENICITY:

SKIN PAINTING (mice): Not carcinogenic
SUBCUTANEOUS INJECTION (mice): Not carcinogenic
SUBCUTANEOUS INJECTION (rats): Not carcinogenic

HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

INHALATION: Narcotic effects. Respiratory irritant.

SKIN: Severe corrosivity and sensitization to skin.

EYE: Severe corrosivity to eyes.

OTHER: Depilation (195 applications)

EMERGENCY AND FIRST AID PROCEDURES:

EYES: IMMEDIATELY flush with plenty of water for at least 15 minutes. Get medical attention.

SKIN: Remove contaminated clothing and launder. Wash with soap and water. Get medical attention.

INGESTION: DO NOT induce vomiting. Get emergency medical attention for gavage.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb with soda ash. Sweep or scoop up using non-sparking tools and dispose immediately. DO NOT USE VERMICULITE

WASTE DISPOSAL METHOD: Dispose of in accordance with Federal, State, and Local regulations for hazardous waste.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store near combustibles. Empty container may contain hazardous residues. Keep container closed when not in use. Keep away from heat, sparks and flames. Do not reuse container. Store below 100° F to maintain active oxygen content.

OTHER PRECAUTIONS: Wash thoroughly after handling. Do not get in eyes, on skin or clothing.

SECTION 8: CONTROL MEASURES

RESPIRATORY PROTECTION: Use only NIOSH/MSHA approved organic vapor cannister or cartridge type respirator.

VENTILATION: Use with adequate ventilation and local exhaust.

PROTECTIVE GLOVES: Wear neoprene, polyvinyl, natural rubber, or butyl rubber gloves.

EYE PROTECTION: Wear chemical type face shield and goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Provide eye wash station.

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Do not get in eyes, on skin or clothing.

SECTION 9: REGULATORY INFORMATION

SARA TITLE III SECTION 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

CAS #	Chemical Name	RQ lbs.	Percent by Weight
80-15-9	Cumene hydroperoxide	10	£ 90%

D. O. T. PROPER SHIPPING NAME: Organic peroxide type F (Cumene Hydroperoxide), Class 5.2, UN3109, PG II

PROPER SHIPPING NAME: Organic peroxide type F (Cumene Hydroperoxide)

HAZARD CLASS: Class 5.2 Organic Peroxide

UN/NA ID NUMBER: UN 3109

PACKING GROUP: II

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.