

**MATERIAL SAFETY DATA SHEET**  
**KEY #803-AcH Acrylic Sealer**

**PRODUCT NAME:** KEY #803-AcH Acrylic Sealer  
**PRODUCT CODE:** KEY-803-000

**HMIS CODES:** H F R P  
1 1 0 --

**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:** 05/18/06  
**NAME OF PREPARER:** R. CAIN

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

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	WT %	CARCINOGEN
Styrene-Acrylic Copolymer	Proprietary	NE	NE	18-22	NO
Water	7732-18-5	NE	NE	75-80	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** : 200-225 °F  
**VAPOR DENSITY (AIR=1)** : Heavier than air  
**VOC** : 0.604# per gallon  
**LIQUID DENSITY** : 8.5 # per gallon  
**PERCENT VOLATILITY** : 75-80%  
**APPEARANCE AND ODOR** : Liquid dispersion with mild odor  
**SPECIFIC GRAVITY (H2O=1)** : 1.02  
**EVAPORATION RATE (BAC=1)** : Slower than ether

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

**FLASH POINT:** N/A  
**FLAMMABLE LIMITS IN AIR BY VOLUME -** LOWER: N/A  
UPPER: N/A  
**EXTINGUISHING MEDIA:** Foam, Alcohol Foam, CO2, Dry Chemical, Water, Fog  
**OSHA FLAMMABILITY CLASSIFICATION:** N/A  
**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) and full protective gear. Use cold water spray to cool fire-exposed containers to minimize risk of rupture.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Liquid material is non-combustible, but dried films are capable of supporting combustion when in contact with open flames. Closed containers can develop internal pressure and may rupture when subjected to extreme heat.

**SECTION 5: REACTIVITY DATA**

**STABILITY:** Stable  
**CONDITIONS TO AVOID:** Avoid temperatures below 40°F. Avoid freezing.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Avoid water-reactive materials, strong oxidizers, acids and alkalis.  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Combustion can produce carbon monoxide and/or carbon dioxide.  
**HAZARDOUS POLYMERIZATION:** Will not occur.

**SECTION 6: HEALTH HAZARD DATA**

**HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**  
**EYES CONTACT:** Irritation, redness and tearing.  
**SKIN CONTACT:** Prolonged or repeated skin contact can cause slight irritation to the skin.  
**INHALATION:** May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.  
**HEALTH HAZARDS (ACUTE AND CHRONIC):**  
**CARCINOGENICITY:** NTP CARCINOGEN: IARC MONOGRAPHS: OSHA REGULATED:  
No No NE

## SECTION 6: HEALTH HAZARD DATA (CON'T)

### EMERGENCY AND FIRST AID PROCEDURES:

**EYES:** Flush eyes with large amounts of water for or at least 15 minutes. Consult a physician if irritation persists.

**SKIN:** Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.

**INGESTION:** Do not induce vomiting. Seek medical attention immediately.

**INHALATION:** Remove to fresh air.

## SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Keep spectators away. Floor may be slippery; use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**WASTE DISPOSAL METHOD:** Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Keep from freezing. Do not handle or store near heat, flame or strong oxidizers, acids and alkalis. Store in cool, well ventilated area.

**OTHER PRECAUTIONS:** Appropriate protective equipment must be worn when handling a spill of this material. See the personal protection measures section for recommendations. If exposed to material during clean-up operations, see the first aid procedures section for actions to follow.

## SECTION 8: CONTROL MEASURES

**RESPIRATORY PROTECTION:** For spray application, use particulate filter mask to avoid breathing spray mist. Exposed persons with unusual allergic sensitivity may need organic vapor respirator (NIOSH/MSHA TC 23C or equivalent).

**VENTILATION:** Use local exhaust ventilation with a minimum capture velocity of 100ft/min at the point of vapor evolution.

**PROTECTIVE GLOVES:** Use waterproof gloves to avoid skin contact.

**EYE PROTECTION:** Use safety glasses, goggles, or face shield to protect eyes.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Waterproof head covering and general protective clothing are recommended for protection as necessary.

**WORK/HYGIENIC PRACTICES:** Wash hands and face before eating.

## SECTION 9: REGULATORY INFORMATION

**D. O. T. PROPER SHIPPING NAME:** Water-based Solution

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**HAZARD CLASS:** Not Hazardous

**SUBSIDIARY RISK:**

**UN/NA ID NUMBER:**

**SARA TITLE III SECTION 313:** This product contains no 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:

**SARA TITLE III SECTION 311/312:** This product is not a hazardous chemical under 29 CFR 1910.1200, and therefore is not covered by Title III of SARA

**CERCLA INFORMATION:** Releases of this material to air, land, or water are not reportable to the national response center under the comprehensive environmental response, compensation, and liability act (CERCLA) or the state and local emergency planning committees under the superfund amendments and reauthorization act (SARA) Title III Section 304.

**RCRA INFORMATION:** When this product becomes a waste, it is classified as a non-hazardous waste under criteria of the resource conservation and recovery act (40 CFR 261).

**CHEMICAL CONTROL LAW STATUS:** All components of this product are listed or are excluded from listing on the US Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**STATE RIGHT-TO-KNOW LAWS:** Any material listed as "not hazardous" in the CAS Number column of **Section 2** of this MSDS is trade secret under the provisions of the Pennsylvania Worker and Community Right-To-Know Act.

## 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.