**HAZARD RATING**

4 = EXTREME  
3 = HIGH  
2 = MODERATE  
1 = SLIGHT  
0 = INSIGNIFICANT

**HEALTH**  
1  

**FLAMMABILITY**  
3  

**REACTIVITY**  
0

---

**SECTION I - GENERAL INFORMATION**

**PRODUCT IDENTIFICATION:**  
CERTI-EX RE-SEAL IT

**VOC CONTENT:**  
<350 GRAMS/LITER OR <2.92 #/GAL  

**CATEGORY:**  
ACRYLIC SEALER FOR CONCRETE

**MANUFACTURER:**  
VEXCON CHEMICALS, INC

**ADDRESS:**  
7240 STATE RD, PHILADELPHIA, PA 19135

**EMERGENCY NO:**  
800.858.2828 (PolySat Inc)

**TELEPHONE NO:**  
215.332.7709 (Vexcon)

**CHEMTREC NO:**  
800.424.9300 (CCN# 23822)

**PREPARED:**  
AUGUST 1997

**UPDATED:**  
SEPTEMBER 2017

**PREPARED BY:**  
DARRY F. MANUEL, PRESIDENT

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**SECTION II – HAZARD IDENTIFICATION**

**CLASSIFICATION OF MIXTURE:**  
FLAMMABLE LIQUID – CATEGORY 2  
SERIOUS EYE DAMAGE/EYE IRRITATION – CATEGORY 2A  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - CATEGORY 3

**SINGLE WORD:** DANGER

**HAZARD STATEMENTS:**  
HIGHLY FLAMMABLE LIQUID AND VAPOR. CAUSES SERIOUS EYE IRRITATION, MAY CAUSE DROWSINESS OR DIZZINESS

**PRECAUTIONARY STATEMENTS:**  
FLAMMABLE OR COMBUSTIBLE LIQUID: USE ONLY WITH ADEQUATE VENTILATION: IF SWALLOWED, DO NOT INDUCE VOMITING: USE OF SOLVENT RESISTANT GLOVES, GOGGLES AND OTHER PROTECTIVE EQUIPMENT IS ADVISED WHEN HANDLING THIS PRODUCT: ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL: USE OF RESPIRATORS IS ADVISED WHEN USING PRODUCT IN CONFINED AREA.

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**SECTION III - HAZARDOUS INGREDIENTS**

<table>
<thead>
<tr>
<th>MATERIAL OR COMPONENTS</th>
<th>CAS NO.</th>
<th>%</th>
<th>HAZARD DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>STYRENE ACRYLATE POLYMER</td>
<td>25036-16-2</td>
<td>15-30%</td>
<td>ND</td>
</tr>
<tr>
<td>ACETONE</td>
<td>67-64-1</td>
<td>40-60%</td>
<td>OSHA HAZARD / DOT LABEL: FLAMMABLE LIQUID OSHA PEL: 1000 ppm ACGIH TLV: 500 ppm NIOSH REL: 250 ppm RQ 5000 lbs</td>
</tr>
<tr>
<td>TERTIARY BUTYL ACETATE</td>
<td>540-88-5</td>
<td>15-30%</td>
<td>OSHA HAZARD: FLAMMABLE LIQUID OSHA PEL: 200 ppm ACGIH TLV: 200 ppm</td>
</tr>
</tbody>
</table>

---

**SECTION IV- FIRST AID MEASURES**

**HEALTH HAZARD DATA**

**HAZARD CLASSIFICATION**

**BASIS FOR CLASSIFICATION SOURCE**

**ROUTES OF EXPOSURE:**

**INHALATION:**

INHALATION OF HIGH VAPOR CONCENTRATION MAY HAVE RESULTS RANGING FROM DIZZINESS AND HEADACHES TO UNCONSCIOUSNESS. THIS PRODUCT MAY CREATE BREATHING DIFFICULTIES. DIZZINESS, LIGHTHEADEDNESS WHEN WORKING IN AREAS WITH HIGH VAPOR CONCENTRATION.

**SKIN CONTACT:**

THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.

**SKIN ABSORPTION:**

THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.

**EYE CONTACT:**

THIS PRODUCT MAY BE AN EYE IRRITANT.

**INGESTION / INHALATION:**

CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, SMALL AMOUNTS OF LIQUID ASPIRATED INTO THE RESPIRATORY SYSTEM DURING INGESTION, OR FROM VOMITING, MAY CAUSE BRONCHOPNEUMONIA OR PULMONARY EDEMA. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

**EFFECTS OF OVEREXPOSURE:**

TLV 50 ppm ACETONE, AROMATIC SOLVENT, AND TERT BUTYL ACETATE COMPONENT. ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS, LIQUIDS MODERATELY IRRITATING ON SKIN AND EYES.

**ACUTE OVEREXPOSURE:**

ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS: MODERATE IRRIGATION BY LIQUID TO SKIN AND EYES. PROLONGED CONTACT ON THE SKIN WILL CLAY AND DEFAT THE SKIN POSSIBLY CAUSING DERMATITIS.

**EMERGENCY AND FIRST AID PROCEDURES:**

**EYES:**

FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEEK IMMEDIATE MEDICAL ATTENTION. CONSULT A PHYSICIAN.
**SKIN:** Wash with soap and large quantities of water. Seek medical attention if skin irritation develops and persists.

**INGESTION:** Do not induce vomiting; seek immediate medical attention.

**INHALATION:** Move to location free from vapors. If breathing is difficult, give oxygen. If breathing stops, begin artificial respiration and seek immediate medical attention.

**PRECAUTIONARY STATEMENTS:** Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated apparel and flush affected body areas with water. Clothing must be washed and dried before reuse. Containers of this material may be hazardous when emptied since emptied containers retain product residue (vapor, liquid and/or solid). All hazard precautions given in this data sheet must be observed.

**SECTION V FIREFIGHTING MEASURES**

**EXTINGUISHING MEDIA:** Exclude air. Fires involving this product may be controlled by Regular Foam, Carbon Dioxide, Dry Chemicals or Water Sprays. Water may be used to reduce the rate of burning and for cooling purposes. Avoid spraying water directly into storage containers due to danger of boil over.

**GENERAL HAZARD:** Flammable Liquid - Can form combustible mixtures at temperatures at or above the flash point. Static Discharge - Material can accumulate static charges which can cause an incendiary electrical discharge. "Empty" Containers retain product residue (Liquid and/or Vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition: They may explode and cause injury or death. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

**UNUSUAL FIRE AND EXPLOSION HAZARD:** This product is extremely flammable and explosive under normal conditions in the presence of flame or spark source. If storage containers are exposed to excessive heat, over pressurization of the containers can result in a Vapor is heavier than air and may travel along the ground or through ventilation system considerable distance to a source of ignition and flash back. Keep work areas free of hot metal surfaces and other sources of ignition.

**SPECIAL FIRE FIGHTING PROCEDURES:** The use of Self-Contained Breathing Apparatus with full face piece operated in pressure-demand or other positive pressure mode should be provided for fire fighters in buildings or confined areas where this product is stored. Storage containers exposed to fire should be kept cool with water spray in order to prevent pressure build up. Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire. Avoid spreading burning liquid with water used for cooling purposes.

**SECTION VI ACCIDENTAL RELEASE MEASURES**

**AQUATIC TOXICITY (E.G. 96 Hr. TLM):** Do not discharge this product into public waters or waterways unless authorized by a National Pollution Discharge Elimination System (NPDES) Permit issued by the Environmental Protection Agency (EPA).

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Land Spill: Eliminate sources of ignition. Prevent additional discharge of material. If possible to do so without hazard, for small spills, implement cleanup procedures. For large spill, implement clean up procedures and, if in public area, keep public away and advise authorities. Also, if this product is subject to Cercll reporting notify the National Response Center. Prevent liquid from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth. Do not use combustible materials such as sawdust. Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent. Consult an expert on disposal of recovered material and ensure conformity to EPA, Federal, State, and local disposal regulations.

**WATER SPILL:** Remove from surface by skimming or with suitable absorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters. Consult an expert on disposal of recovered material and ensure conformity to EPA, Federal, State, and local disposal regulations.

**SECTION VII HANDLING AND STORAGE**

**PRECAUTIONARY STATEMENTS:** Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated apparel and flush affected body areas with water. Clothing must be washed and dried before reuse. Containers of this material may be hazardous when emptied since emptied containers retain product residue (vapor, liquid and/or solid). All hazard precautions given in this data sheet must be observed.

**SECTION VIII EXPOSURE CONTROLS / PERSONAL PROTECTION**

**VENTILATION REQUIREMENTS:** Local mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted TLV ranges. If local ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required. Other special precautions such as respiratory masks or environmental containment devices may be required in extreme cases.

**RESPIRATORY (SPECIFY IN DETAIL):** The use of respiratory protection depends on vapor concentration above the time weighted TLV. Use of OSHA approved Cartridge Respirator or gas mask or air-pack. Chemical cartridge respirator: half mask organic vapor cartridge. Full face organic vapor cartridge if eye protection is needed.

**EYES:** Chemical goggles and/or face shield are recommended to safeguard against potential eye contact, irritation or injury.

**GLOVES:** The use of impermeable gloves is advised to prevent skin irritation in sensitive individuals. Impermeable gloves, (chemical resistant) such as neoprene, latex or pva.

**OTHER CLOTHING AND EQUIPMENT:** To prevent body contact. Impermeable clothing and boots are recommended. Impermeable aprons and helmets (head cover) are recommended when working with this product. The availability of eye washes and safety showers in work areas is recommended.

**SECTION IX PHYSICAL / CHEMICAL CHARACTERISTICS**

**BOILING POINT:** (760mmHg) 56 C / 134 F (Acetone)

**VAPOR PRESSURE:** 184 mm Hg @ 20°C (acetone)

**SOLUBILITY IN H2O % BY WT:** Insoluble

**EVAPORATION RATE (BuAc1):** 7.7 FAST (acetone)

**pH (AS IS):** N/A

**APPEARANCE AND ODOR:** Clear liquid with acetone odor.
**SECTION X STABILITY AND REACTIVITY**

**CONDITIONS CONTRIBUTING TO INSTABILITY:**

**INCOMPATIBILITY:**

This product is incompatible with strong oxidizing agents, strong acids or bases, and selected amines.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide, and unidentified organics.

**CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION:**

N/A will not occur.

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**SECTION XI TOXICOLOGICAL INFORMATION**

**ORAL**

Rat LD50: 5800 mg/kg

**INHALATION**

Rat LC50: 1000 mg/kg

**IRRITATION EYE**

Rabbit Standard Draize, 20 mg, severe

Investigated as a rumorigen, mutagen, reproductive effector.

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**SECTION XII ECOLOGICAL INFORMATION**

**ENVIRONMENTAL FATE**

**SOIL**

When released into the soil, this material is expected to readily biodegrade. When released into the soil, this material is expected to leach into groundwater. When released into soil, this material is not expected to quickly evaporate.

**WATER**

When released into water, this material is expected to readily biodegrade. When released into water, this material is expected to quickly evaporate. This material has a log octanol-water partition coefficient of less than 3.0. This material is expected to bioaccumulate.

**AIR**

When released into the air, this material may be moderately degraded by reaction with photochemically produce hydroxyl radicals. When released into the air, this material is not expected to be noticeably removed from the atmosphere by wet deposition.

**ENVIRONMENTAL TOXICITY**

This material is not expected to be toxic to aquatic life. The LC50/96 hr. values for fish are over 100 mg/L.

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**SECTION XIII DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** If possible, pump to controlled containment area. Absorb on clay or sand. Dispose of in compliance with EPA, federal, state, and local regulations. Treatment, transportation and disposal must be in compliance with EPA, federal, state, and local regulations under the resources conservation and recovery act (RCRA, 40 CFR 261). Typically controlled burning, incineration or approved landfills are available.

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**SECTION XIV TRANSPORTATION INFORMATION**

**Governing Body**

<table>
<thead>
<tr>
<th>Mode</th>
<th>UN Number</th>
<th>Proper Shipping Name</th>
<th>Hazard Class</th>
<th>Packin g Group</th>
<th>Quantity Limitation</th>
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<tbody>
<tr>
<td>DOT</td>
<td>GROUND</td>
<td>1866</td>
<td>RESIN SOLUTION</td>
<td>3</td>
<td>II</td>
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<tr>
<td>IATA</td>
<td>AIR</td>
<td>1866</td>
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<td>IMDG</td>
<td>OCEAN</td>
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<td>RESIN SOLUTION</td>
<td>3</td>
<td>II</td>
</tr>
</tbody>
</table>

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**SECTION XV REGULATORY INFORMATION**

**TSCA:** The solvent portion of this product is listed on the TSCA inventory as a UVCB (unknown, variable composition or biological) chemical at CAS registry number 64742-95-6 (AROMATIC 100). 540-88-5 (tertiary butyl acetate) and 67-64-1 (acetone).

**CERCLA:** If the reportable quantity of this product is accidentally spilled, the incident is subject to the provisions of the comprehensive environmental response compensation and liability act (CERCLA) and must be reported to the national response center by calling 1-800-424-8802 or 202-426-2675.

The reportable spill quantity (RQ) of this product is 5,000 pounds (acetone, butyl acetates).

**SARA TITLE III:** Under the provisions of Title III, Sections 311/312 of the superfund amendments and re-authorization act, this product is classified into the following hazard categories: Delayed health, fire.

**ADDITIONAL REGULATORY CONCERNS:** (Federal, FDA, USDA, CPSC, State, Other)

Federal / FDA / USDA:

Marine Pollutants: This product does contain a material on the marine pollutants table (HMT 172.101 Appendix B). See Section XIV

CERCLA / RQ: 5000 POUNDS (ACETONE, BUTYL ACETATES)

This product contains materials on the RQ table (HMT 172.101 Appendix A): Acetone, Butyl acetates

TSCA: Is this product, or all its ingredients, being certified for inclusion on the toxic substances control act inventory of chemical substances? Yes
SECTION XVI OTHER INFORMATION

PREPARED BY: Darryl Manuel / President
COMPANY: Vexcon Chemicals, Inc.
ADDRESS: 7240 State Rd., Phila., PA 19135 USA

The information provided in this Material Safety Data Sheet has been obtained from sources believed to be reliable. Vexcon provides no warranties, expressed or implied, and assumes no responsibility for the accuracy or completeness of the information contained herein.

HMIS HAZARD RATINGS:

This information is for people trained in:
- National Paint and Coatings Associations (NPCA)
- Hazardous Materials Identification System (HMIS)
- National Fire Protection Association (NFPA 704)
- Identification of Fire Hazards of Materials

<table>
<thead>
<tr>
<th>HMIS HAZARD RATINGS:</th>
<th>4 – SEVERE</th>
<th>3 – SERIOUS</th>
<th>2 – MODERATE</th>
<th>1 – SLIGHT</th>
<th>0 – MINIMAL</th>
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<tr>
<td>CERTI-VEX RE-SEAL IT</td>
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</tr>
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<td>NPCA-HMIS</td>
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</tr>
<tr>
<td>FLAMMABILITY</td>
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<tr>
<td>REACTIVITY</td>
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