SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:
CETI-VEX PENSEAL 244 O/W

VOC CONTENT: <550 GR/L OR <4.59 #:/GAL

CATEGORY: WATERPROOFING CONCRETE/MASONRY SEALER

COMMON NAME: SILANE SILOXANE WATER PROOFER

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: MARCH 2017

PREPARED BY: DARRY F. MANUEL, PRESIDENT

SECTION II - HAZARD IDENTIFICATION

CLASSIFICATION OF MIXTURE:
FLAMMABLE LIQUIDS – CATEGORY 3
ASPIRATION HAZARD – CATEGORY 1
EYE IRRITATION – CATEGORY 2B
SKIN IRRITATION – CATEGORY 2
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE (NARCOTIC EFFECTS) – CATEGORY 2
STATIC ACCUMULATING LIQUID

SINGLE WORD - DANGER

HAZARD STATEMENT: FLAMMABLE LIQUID AND VAPOR MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. CAUSES EYE IRRITATION. CAUSES SKIN IRRITATION. MAY CAUSE RESPIRATORY IRRITATION, MAY CAUSE DROWSINESS OR DIZZINESS.

PRECAUTIONARY STATEMENT: FLAMMABLE 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.

SECTION III HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>MATERIAL OR COMPONENTS</th>
<th>CAS NO.</th>
<th>%</th>
<th>HAZARD DATA</th>
<th>UN#</th>
</tr>
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<tbody>
<tr>
<td>SILANE</td>
<td>25437-5-1</td>
<td>15-45</td>
<td>N/D</td>
<td>N/A</td>
</tr>
<tr>
<td>POLYMER</td>
<td>68554-66-5</td>
<td>1-5%</td>
<td>N/E</td>
<td>N/A</td>
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<tr>
<td>BUTYL ACETATE</td>
<td>123-86-4</td>
<td>1-5%</td>
<td>ACGIH TLV 150ppm (TWA)</td>
<td>112</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>OSHA PEL 150ppm (TWA)</td>
<td>3</td>
</tr>
<tr>
<td>STODDARD SOLVENT</td>
<td>8052-41-3</td>
<td>60-60</td>
<td>ACGIH TLV: 100 ppm, 525 mg/m3 (TWA)</td>
<td>126</td>
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<tr>
<td></td>
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<td></td>
<td>OSHA PEL: 500 ppm, 2900 mg/m3 (TWA)</td>
<td>8</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>NIOSH REL: 350 mg/m3 (TWA)</td>
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THE SOLVENT PORTION CONTAINS THE FOLLOWING SECTION §313 REPORTABLE INGREDIENTS:

1,2,4-TRIMETHYL BENZENE 95-63-6 10% OSHA PEL: NE ACGIH TLV: 25ppm (TWA)

SECTION IV FIRST AID MEASURES

HEALTH HAZARD DATA HAZARD CLASSIFICATION

BASE FOR CLASSIFICATION SOURCE

ROUTES OF EXPOSURE:

INHALATION:
THIS PRODUCT MAY CREATE BREATHING DIFFICULTIES.
DIZZINESS, LIGHTHEADEDNESS WHEN WORKING IN AREAS WITH HIGH VAPOR CONCENTRATION.
STODDARD SOLVENT COMPONENT

SKIN CONTACT:
THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.
STODDARD SOLVENT COMPONENT.

SKIN ABSORPTION:
THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.
STODDARD SOLVENT COMPONENT.

EYE CONTACT:
THIS PRODUCT MAY BE AN EYE IRRITANT.

INGESTION / INHALATION:
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 STODDARD SOLVENT ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS. LIQUIDS MODERATELY IRITATING ON SKIN AND EYES.

ACUTE OVEREXPOSURE:
ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS. MODERATE IRITATION BY LIQUID TO SKIN AND EYES. PROLONGED CONTACT ON THE SKIN WILL CLAY AND DETAF 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.

SKIN:
WASH WITH SOAP AND LARGE QUANTITIES OF WATER. SEEK MEDICAL ATTENTION IF SKIN IRRITATION DEVELOPS AND PERSISTS.

INGESTION:
MOVE TO LOCATION FREE FROM VAPORS. IF BREATHING STOPS, BEGIN ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION.

NOTE: THIS MATERIAL RELEASES METHYL ALCOHOL UPON HYDROLYSIS. METHYL ALCOHOL CAUSES OPTIC NEUROPATHY, METABOLIC ACIDOSIS AND RESPIRATORY DEPRESSION. SIGNS AND SYMPTOMS OF OVEREXPOSURE INCLUDE HEADACHE, BLURRED VISION, CONSTRICTED VISUAL FIELDS, SHORTNESS OF BREATH, DIZZINESS AND VERTIGO. INGESTION OF METHYL ALCOHOL MAY LEAD TO BLINDNESS OR DEATH.

SECTION V FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:
FIRES INVOLVING THIS PRODUCT MAY BE CONTROLLED BY REGULAR FOAM, CARBON DIOXIDE, DRY CHEMICALS OR WATER SPRAY. WATER MAY BE USED TO REDUCE THE RATE OF BURNING AND FOR COOLING PURPOSES.

GENERAL HAZARD:
COMBUSTIBLE 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
USE PROPER GROUNDING:

- Flammable vapors may accumulate in the container headspace on formation of hydrolysis by-products. If storage containers are exposed to excessive heat, overpressurization of the containers can result. Vapors are heavier than air and may travel along the ground or through ventilation systems. Keep a considerable distance from a source of ignition and flash back.

- 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 areas 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.

SECTION VI ACCIDENTAL RELEASE MEASURES:

- Aquatic toxicity: 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).

- 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 spills, clean up procedures should be conducted and, if in public area, keep public away and advise authorities. Also, if this product is subject to CERCLA 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: Persons 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.

- Fire fighting: Water may be unsuitable as an extinguishing medium but helpful in keeping adjacent containers cool. Avoid spreading burning liquid with water used for cooling purposes. Personnel should avoid inhalation of vapors.

- Other handling and storage requirements: Store and use in well ventilated area, equivalent to fresh air. Keep container tightly closed. Do not store with incompatible materials. Store in accordance with federal, state, and local regulations. Do not store or consume food, drink, or tobacco in areas where they may become contaminated with this material. Keep away from high temperatures, open flames, sparks, clothing of ignition, etc. Use with explosion proof equipment is highly advisable.

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 ventilation 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.
**SECTION XII ECOLOGICAL INFORMATION**

THE INFORMATION GIVEN IS BASED ON DATA AVAILABLE FOR THE MATERIAL, THE COMPONENTS OF THE MATERIALS AND SIMILAR MATERIALS

**ECOTOXICITY**
- MATERIAL EXPECTED TO BE TOXIC TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

**MOBILITY**
- MATERIAL HIGHLY VOLATILE, WILL PARTITION RAPIDLY TO AIR. NOT EXPECTED TO PARTITION TOSEDIMENT AND WASTEWATER SOLIDS.

**PERSISTENCE AND DEGRADABILITY**

**BIODEGRADATION**
- MATERIAL EXPECTED TO BE INHERENTLY BIODEGRADABLE.

**HYDROLYSIS**
- MATERIAL TRANSFORMATION DUE TO HYDROLYSIS NOT EXPECTED TO BE SIGNIFICANT.

**PHOTOLYSIS**
- MATERIAL TRANSFORMATION DUE TO PHOTOLYSIS NOT EXPECTED TO BE SIGNIFICANT.

**ATMOSPHERIC OXIDATION**
- MATERIAL EXPECTED TO DEGRADE RAPIDLY IN AIR.

**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 THE RESOURCES CONSERVATION AND RECOVERY ACT (RCRA, 40 CFR 261). TYPICALLY CONTROLLED BURNING, INCINERATION OR APPROVED LAND FILL SITES ARE AVAILABLE.

**SECTION XIV TRANSPORTATION INFORMATION**

<table>
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<tr>
<th>Governing Body</th>
<th>Mode</th>
<th>UN Number</th>
<th>Proper Shipping Name</th>
<th>Hazard Class</th>
<th>Packing Group</th>
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<tbody>
<tr>
<td>DOT</td>
<td>GROUND (NON BULK)</td>
<td>NON-REGULATED</td>
<td>NON REGULATED</td>
<td>NON REGULATED</td>
<td>NA</td>
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<tr>
<td>DOT</td>
<td>GROUND (BULK)</td>
<td>1866</td>
<td>RESIN SOLUTION</td>
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<td>III</td>
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<tr>
<td>IATA</td>
<td>AIR</td>
<td>1866</td>
<td>RESIN SOLUTION (STODDARD SOLVENT)</td>
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<td>III</td>
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<tr>
<td>IMDG</td>
<td>OCEAN</td>
<td>1866</td>
<td>RESIN SOLUTION</td>
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<td>III</td>
</tr>
<tr>
<td>MARINE POLLUTANT:</td>
<td>THIS PRODUCT DOES CONTAIN A MATERIAL. ON THE MARINE POLLUTANTS TABLE (HMT 172.101 APPENDIX B) STODDARD SOLVENT</td>
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</table>

**SECTION XV REGULATORY INFORMATION**

**TSCA:** THE SOLVENT PORTION OF THIS PRODUCT IS LISTED ON THE TSxCA INVENTORY AS A UVCB (UNKNOWN, VARIABLE COMPOSITION OR BIOLOGICAL) CHEMICAL AT CAS REGISTRY NUMBER 8052-41-3 (STODDARD SOLVENT).

**CERCLA:** IF THE REPORTABLE QUANTITY OF THIS PRODUCT IS ACCIDENTALLY SPIILLED, 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 202-426-2875.

**NO REPORTABLE SPILL QUANTITY (RQ) HAS BEEN ESTABLISHED FOR THIS PRODUCT (STODDARD SOLVENT).**

**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: NO. THIS PRODUCT DOES NOT CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 172.101 Appendix B).

**CALIFORNIA PROP 65:** WARNING: This product contains chemicals known to the state of California to cause cancer or birth defects or other reproductive harm. (Epichlorohydrin, Ethylbenzene, Crystalline Silica particles of respirable size)

**CERCLA / RQ: NONE ESTABLISHED. THIS PRODUCT DOES NOT CONTAIN A MATERIAL ON THE RQ TABLE (HMT 172.101 Appendix A):**

**TSCA:** IS THIS PRODUCT, OR ALL ITS INGREDIENTS, BEING CERTIFIED FOR EXCLUSION 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

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**HMIS HAZARD RATINGS:**
- THE INFORMATION IS FOR PEOPLE TRAINED IN: NATIONAL PAINT AND COATINGS ASSOCIATIONS (NPCA)/HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)
- NATIONAL FIRE PROTECTION ASSOCIATION (NPFA 704) IDENTIFICATION OF FIRE HAZARDS OF MATERIALS

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<th>CERTI-VEX PENSEAL 244 O/W</th>
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<th>NPFA 704</th>
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<td>FLAMMABILITY</td>
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<td>3=SERIOUS</td>
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<td>1</td>
<td>2=MODERATE</td>
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<td>1=SLIGHT</td>
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<tr>
<td></td>
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<td>0=MINIMAL</td>
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