SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:
CERTI-VEX PENSEAL 244 FD

VOC CONTENT: <250 GR/LITER OR <2.09#/GAL

COMMON NAME: SILANE 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: NOVEMBER 2017

PREPARED BY: DARRY F. MANUEL, PRESIDENT

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 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>
</thead>
<tbody>
<tr>
<td>SILANE</td>
<td>2943-75-1</td>
<td>35-45%</td>
<td>CAN FORM ETHYL ALCOHOL UPON HYDROLYSIS. ETHYL ALCOHOL OSHA PEI AND ACGIH TLV: 1000ppm TWA</td>
<td>1993</td>
</tr>
<tr>
<td>ACETONE</td>
<td>67-64-1</td>
<td>35-45%</td>
<td>OSHA HAZARD: FLAMMABLE LIQUID OSHA PEI: 1000 ppm ACGIH TLV: 500 ppm</td>
<td>1090</td>
</tr>
</tbody>
</table>

SECTION IV FIRST AID MEASURES

HEALTH HAZARD DATA HAZARD CLASSIFICATION
BASIS 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 AND ACETONE COMPONENT.

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

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

EYE CONTACT: THIS PRODUCT MAY BE AN EYE IRRITANT. STODDARD SOLVENT COMPONENT AND ACETONE COMPONENT.

INGESTION: 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 MINERAL SPIRITS ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS. LIQUIDS MODERATELY IRRITATING ON SKIN AND EYES.

ACUTE OVEREXPOSURE: ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS: MODERATE IRRITATION 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.

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

INHALATION: 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.

INGESTION: DO NOT INDUCE VOMITING; SEEK IMMEDIATE MEDICAL ATTENTION.
**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, AVOID SPRAYING WATER DIRECTLY INTO STORAGE CONTAINERS DUE TO DANGER OF BOIL OVER.

**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, FLAMES, 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.

**GENERAL HAZARD:**
- USE PROPER GROUNDING
- 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.

**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 PERMIT ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA), NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) OR PROPERLY DISPOSED OF.
- STORE OR CONSUME FOOD, DRINK, OR TOBACCO IN AREAS WHERE THEY MAY ACCUMULATE STATIC CHARGES WHICH CAN CAUSE AN INCENDIARY ELECTRICAL DISCHARGE.
- PERSONNEL SHOULDN'T USE EXPLOSION PROOF EQUIPMENT IS HIGHLY ADVISABLE.

**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 WHENemptied since emptied containers retain product residue (VAPOR, LIQUID AND/OR SOLID). ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET MUST BE OBSERVED.

**IMAGE END**
SECTION XII ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE

WHEN RELEASED INTO SOIL
- This material is expected to biodegrade.
- This material is expected to leach into groundwater.
- This material is expected to quickly evaporate.

WHEN RELEASED INTO WATER
- This material is expected to readily biodegrade.
- This material is expected to quickly evaporate.
- This material has a log octanol-water partition coefficient of less than 3.0.
- This material is not expected to significantly bioaccumulate.

WHEN RELEASED INTO AIR
- This material may be moderately degraded by reaction with photochemically produced hydroxyl radicals.
- This material may be moderately degraded by photolysis.
- This material is expected to be readily removed from the atmosphere by wet deposition.

AQUATIC TOXICITY (E.G. 96 HR.TLM)
- This material is expected to be toxic to aquatic life. The LC50/96HRS values for fish are over 100mg/l.

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 land fill sites are available.

SECTION XIV TRANSPORTATION INFORMATION

<table>
<thead>
<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>
<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>
<td>ORMED - Max 30kg gross wt (66lbs)</td>
</tr>
<tr>
<td>IATA</td>
<td>AIR</td>
<td>1866</td>
<td>RESIN SOLUTION</td>
<td>3</td>
<td>II</td>
<td>Passenger Aircraft - 5L Cargo Aircraft - 60L</td>
</tr>
<tr>
<td>IMDG</td>
<td>OCEAN</td>
<td>1866</td>
<td>RESIN SOLUTION</td>
<td>3</td>
<td>II</td>
<td></td>
</tr>
</tbody>
</table>

MARINE POLLUTANT: This product does contain a material on the marine pollutants table (HMT 172.101 Appendix B).

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 8052-41-3 (Stoddard solvent).

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).

CERCLA / RQ: 5000 POUNDS (ACETONE)
This product contains A material on the RQ table (HMT 172.101 Appendix A): ACETONE.

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.

TSCA: Is this product, or all its ingredients, being certified for inclusion on the TSCA 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:

CERTI-VEX PENSEAL 244 FD
NPCA-HMIS NFPA 704
HEALTH 1 1 2 -- MODERATE
FLAMMABILITY 3 3 1 -- SLIGHT
REACTIVITY 0 0 0 -- MINIMAL

KEY
4 -- SEVERE
3 -- SERIOUS
2 -- MODERATE
1 -- SLIGHT
0 -- MINIMAL