### SECTION I - GENERAL INFORMATION

**PRODUCT IDENTIFICATION:**

- **CERTI-VESSX PLUS AIM**
- **VOC CONTENT:** <250 GRAMS/LITER OR < 2.08 #/GAL
- **CATEGORY:** WATERPROOFING CONCRETE/MASONRY SEALER
- **COMMON NAME:** SILOXANE SILANE WATER REPELLENT
- **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:** MARCH 2018
- **UPDATED:** MARCH 2018
- **PREPARED BY:** DARRY F. MANUEL, PRESIDENT

**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 DROWNING 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.

### SECTION II - HAZARD IDENTIFICATION

#### MATERIALS OR COMPONENTS

<table>
<thead>
<tr>
<th>CAS NO.</th>
<th>%</th>
<th>HAZARD DATA</th>
<th>UN#</th>
</tr>
</thead>
<tbody>
<tr>
<td>2943-75-1</td>
<td>10-12%</td>
<td>NONE</td>
<td>N/A</td>
</tr>
<tr>
<td>67-64-1</td>
<td>80-85%</td>
<td>OSHA HAZARD: FLAMMABLE LIQUID</td>
<td>1090</td>
</tr>
<tr>
<td>8052-41-3</td>
<td>1-5%</td>
<td>AGCIH TLV: 100 ppm, 525 mg/m3 (TWA) OSHA PEL: 500 ppm, 2900 mg/m3 (TWA)</td>
<td>1268</td>
</tr>
<tr>
<td>77-58-7</td>
<td>&lt;0.05%</td>
<td>OSHA PEL: 200 ppm</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**CLASSIFICATION OF MIXTURE:**

- FLAMMABLE LIQUID – CATEGORY 2
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- 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 IV - FIRST AID MEASURES

#### ROUTES OF EXPOSURE:

**INHALATION:**

- 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:**

- 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 STOCCARD SOLVENT COMPONENT. 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 IS DIFFICULT, GIVE OXYGEN. 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**

**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, SOLDIER, 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.

**ELECTRO-STATIC ACCUMULATION HAZARD:**

**USE PROPER GROUNDING**

**COMBUSTIBLE VAPORS MAY ACCUMULATE IN THE CONTAINER HEADSPACE ON FORMATION OF HYDROLYSIS BYPRODUCTS. IF STORAGE CONTAINERS ARE EXPOSED TO EXCESSIVE HEAT, OVER PRESSURIZATION OF THE CONTAINERS CAN RESULT. 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.**

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**SECTION VI ACCIDENTAL RELEASE MEASURES**

**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 CLEAN UP 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 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 DISPERсанS 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 X STABILITY AND REACTIVITY

CONDITIONS CONTRIBUTING TO INSTABILITY:

THIS PRODUCT IS STABLE.

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

SECTION XI TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Product Information

<table>
<thead>
<tr>
<th>ACETONE</th>
<th>LD50 ORAL</th>
<th>LD50 DERMAL</th>
<th>LC50 INHALATION</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>5800 mg/kg (RAT)</td>
<td>&gt;15800 mg/kg (RABBIT)</td>
<td>&gt;76 mg/l, 4H, (RAT)</td>
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</tbody>
</table>

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE

IRRITATION

IRRITATION TO EYES AND SKIN

SENSITIZATION

NO INFORMATION AVAILABLE

CARCINOGENICITY

NOT LISTED

MUTAGENIC EFFECTS

NO INFORMATION AVAILABLE

REPRODUCTIVE EFFECTS

NO INFORMATION AVAILABLE

DEVELOPMENTAL EFFECTS

NO INFORMATION AVAILABLE

STOT – SINGLE EXPOSURE

CENTRAL NERVOUS SYSTEM (CNS)

STOT – REPEATED EXPOSURE

KIDNEY LIVER SPLEEN BLOOD

ASPIRATION HAZARD

NO INFORMATION AVAILABLE

SYMPTOMS/EFFECTS, BOTH ACUTE AND DELAYED

SYMPTOMS OF OVER EXPOSURE MAY BE HEADACHE, DIZZINESS, TIDINESS, NAUSEA AND VOMITING: MAY CAUSE PULMONARY EDEMA: INHALATION OF HIGH VAPOR CONCENTRATIONS MAY CAUSE SYMPTOMS LIKE HEADACHE, DIZZINESS, TIDINESS, NAUSEA AND VOMITING

ENDOCRINE DISRUPTOR INFORMATION

NO INFORMATION AVAILABLE

OTHER ADVERSE EFFECTS

THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN FULLY INVESTIGATED.

SECTION XII ECOLOGICAL INFORMATION

EXOTOXICITY

COMPONENT

ACETONE

FRESHWATER ALGAE

NOEC=430 mg/l (ALGAE: 96h)

FRESHWATER FISH

ONCORHYNCHUS MYKISS: LC50=5540 mg/l, 96h

ALBUMUS ALBURNUS: LC50=11000 mg/l, 96h

LEUCISUS IDUS: LC50=11300 mg/l, 48H

SALMO GARDNERI: LC50=6100 mg/l, 48H

MICROTROX

EC50= 14500 mg/l, 15MIN

WATER FLEA

EC50=8800 mg/l, 48H

EC50= 12700 mg/l, 48H

EC50=12600 mg/l, 48H

SECTION XIII DISPOSAL CONSIDERATIONS

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).

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.

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>III</td>
<td>ORMD – Max 30kg gross wt (56lbs)</td>
</tr>
<tr>
<td>IATA</td>
<td>AIR</td>
<td>1866</td>
<td>RESIN SOLUTION</td>
<td>3</td>
<td>III</td>
<td>Passenger Aircraft – 60L Cargo Aircraft – 220L</td>
</tr>
<tr>
<td>IMDG</td>
<td>OCEAN</td>
<td>1866</td>
<td>RESIN SOLUTION</td>
<td>3</td>
<td>III</td>
<td></td>
</tr>
</tbody>
</table>

MARINE POLLUTANT: THIS PRODUCT DOES NOT 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

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)

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: ACUTE, CHRONIC, FIRE

ADDITIONAL REGULATORY CONCERNS: (FEDERAL, FDA, USDA, CPSC, STATE, OTHER)

FEDERAL / FDA / USDA

MARINE POLLUTANTS: THIS PRODUCT DOES NOT CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 172,101 Appendix B), SEE SECTION XIV

CALIFORNIA PROP 65: THIS PRODUCT DOES NOT CONTAIN ANY PROPOSITION 65 CHEMICALS

CERCLA / RQ: 5000 POUNDS (ACETONE), THIS PRODUCT DOES CONTAIN A MATERIAL ON THE RQ TABLE (HMT 172,101 Appendix A)

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 TAKEN 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

CERTI-VEX SS PLUS AIM

NPCHA- HMIS

NPFA 704

HEALTH

2

2 – MODERATE

FLAMMABILITY

3

1 – SLIGHT

REACTIVITY

0

0 – MINIMAL

KEY

4 – SEVERE

3 – SERIOUS

2 – MODERATE

1 – SLIGHT

0 – MINIMAL