**SECTION I - GENERAL INFORMATION**

**PRODUCT IDENTIFICATION:**
POWERSEAL 20

**VOC CONTENT:**
<100 GRAMS/LITER OR <0.83 #/GAL

**CATEGORY:**
WATERPROOFING CONCRETE/MASONRY SEALER

**COMMON NAME:**
ALKOXY 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:**
FEBRUARY 19963

**UPDATED:**
MARCH 2020

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

**SECTION II - HAZARD IDENTIFICATION**

**CLASSIFICATION OF MIXTURE**
- ASPIRATION – CATEGORY 1
- EYE IRRITATION – CATEGORY 2B
- SKIN IRRITATION – CATEGORY 2
- SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE (NARCOTIC EFFECTS) – CATEGORY 3

**SINGLE WORD:** WARNING

**HAZARD STATEMENT:** UNDER NORMAL CONDITIONS OF USE, THIS PRODUCT IS NOT CONSIDERED HAZARDOUS ACCORDING TO REGULATORY GUIDELINES.

**PRECAUTIONARY STATEMENT:** UNDER NORMAL CONDITIONS OF INTENDED USE, THIS PRODUCT DOES NOT POSE A RISK TO HEALTH. EXCESSIVE EXPOSURE MAY RESULT IN EYE, SKIN OR RESPIRATOR IRRITATION. THIS PRODUCT IS AN ORGANIC LIQUID AND WATER EMULSION. PER NFPA 30 THIS MIXTURE WITH A FLASH POINT GREATER THAN 200 F IS A CLASS III B COMBUSTIBLE LIQUID. ALL PRECAUTIONS PROVIDED ARE FOR THE ORGANIC LIQUID PORTION OF WHICH THIS PRODUCT MAY CONTAIN AS LITTLE AS 3%. USE WITH ADEQUATE VENTILATION. DO NOT INDUCE VOMITING IF SWALLOWED. USE OF SOLVENT RESISTANT GLOVES, GOGGLES AND OTHER PROTECTIVE CLOTHING IS ADVISED WHEN HANDLING THIS PRODUCT. KEEP FROM FREEZING.

**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>OCTYLTRIETHOXY SILANE</td>
<td>2943-75-1</td>
<td>15-25%</td>
<td>NONE</td>
<td>N/A</td>
</tr>
<tr>
<td>STODDARD SOLVENT</td>
<td>8052-41-3</td>
<td>1-3%</td>
<td>ACGIH TLV: 100 ppm, 525 mg/m3 (TWA) OSHA PEL: 500 ppm, 2900 mg/m3 (TWA) NIOSH REL: 350 mg/m3 (TWA)</td>
<td>1268</td>
</tr>
<tr>
<td>UNIDENTIFIED SILOXANE IMPURITIES</td>
<td>NONE</td>
<td>TRACE</td>
<td>NOT ESTABLISHED</td>
<td>N/A</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.
- 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. STODDARD SOLVENT COMPONENT.
- 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 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, CONTRICTED 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.

**HAZARD RATING**
- 4=EXTREME
- 3=HIGH
- 2=MODERATE
- 1=SLIGHT
- 0=INSIGNIFICANT

**SAFETY DATA SHEET**

**VEXCON NO. PS101**

**POWERSEAL 20**

**SAFETY DATA SHEET**

**VEXCON CHEMICALS, INC**

**Concrete solutions for architects, engineers and builders since 1974**

888-839-2661 | sales@vexcon.com | 7240 State Road | Philadelphia, PA 19135

vexcon.com
**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 cleanup procedures. For large spills, 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 runoff 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.

**PHYSICAL / CHEMICAL CHARACTERISTICS**

**BOILING POINT:** (760mmHg) 210°F / 98°C

**MELTING POINT:** 0°C / 32°F (as water)

**VAPOR PRESSURE:** 17 mmHg/68°F/20°C (as water)

**SOLUBILITY IN H2O % BY WT:** 80%

**% VOLATILES BY VOL:** 80%

**EVAPORATION RATE (BuAc=1):** SLOW 0.12

**SPECIFIC GRAVITY (H2O=1):** 0.982

**pH (AS IS):** 5-6 TYPICAL

**PH (1% SOLN):** N/A

**APPEARANCE AND ODOR:** White to yellow cloudy emulsion with paint solvent odor

**FLASH POINT:** (TEST METHOD) 112°C / 234°F (TCC)

**AUTOIGNITION TEMP:** 232°C / 450°F (STODDARD SOLVENT)

**FLAMMABLE LIMITS IN AIR, % BY VOL:** LOWER: 0.8%  UPPER: 6.0% (STODDARD SOLVENT)
### 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

<table>
<thead>
<tr>
<th>ROUT OF TOXICITY</th>
<th>CONCLUSION/REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INHALATION</strong></td>
<td></td>
</tr>
<tr>
<td>TOXICITY</td>
<td>MINIMALLY TOXIC. BASED ON TEST DATA FOR STRUCTURALLY SIMILAR MATERIALS.</td>
</tr>
<tr>
<td>IRRITATION</td>
<td>NEGLIGIBLE HAZARD AT AMBIENT/NORMAL HANDLING TEMPERATURES.</td>
</tr>
<tr>
<td><strong>INGESTION</strong></td>
<td></td>
</tr>
<tr>
<td>TOXICITY: LD50 &gt;5000 mg/kg</td>
<td>MINIMALLY TOXIC. BASED ON TEST DATA FOR STRUCTURALLY SIMILAR MATERIALS.</td>
</tr>
<tr>
<td>TOXICITY: LD50 &gt;3160 mg/kg</td>
<td>MINIMALLY TOXIC. BASED ON TEST DATA FOR STRUCTURALLY SIMILAR MATERIALS.</td>
</tr>
<tr>
<td><strong>SKIN</strong></td>
<td></td>
</tr>
<tr>
<td>IRRITATION</td>
<td>MAY DRY THE SKIN LEADING TO DECOMFORT AND DERMATITIS. BASED ON TEST DATA FOR STRUCTURALLY SIMILAR MATERIALS.</td>
</tr>
<tr>
<td><strong>EYE</strong></td>
<td></td>
</tr>
<tr>
<td>IRRITATION</td>
<td>MAY CAUSE MILD, SHORT-LASTING DISCOMFORT TO EYES. BASED ON TEST DATA FOR STRUCTURALLY SIMILAR MATERIALS.</td>
</tr>
</tbody>
</table>

### SECTION XII ECOLOGICAL INFORMATION

| ECOTOXICITY | MATERIAL EXPECTED TO BE TOXIC TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT. (WHITE SPIRITS, LOW (15-20%) AROMATIC, 49CFR, 172.101, APPENDIX B) |
| MOBILITY    | MATERIAL EXPECTED TO BE HIGHLY VOLATILE, WILL PARTITION RAPIDLY TO AIR. NOT EXPECTED TO PARTITION TOSEDIMENT AND WASTEWATER SOLIDS. |
| PERSISTENCE AND DEGRADABILITY | MATERIAL EXPECTED TO BE INHERENTLY BIODEGRADABLE |
| BIODEGRADATION | 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 BE TOXIC TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT. (WHITE SPIRITS, LOW (15-20%) AROMATIC, 49CFR, 172.101, APPENDIX B) |

### 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. TREATMENT, 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>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>GROUND</td>
<td>NON-REGULATED</td>
<td>NON REGULATED</td>
<td>NON REGULATED</td>
<td>NA</td>
</tr>
<tr>
<td>IATA</td>
<td>AIR</td>
<td>NON REGULATED</td>
<td>NON REGULATED</td>
<td>NON REGULATED</td>
<td>NA</td>
</tr>
<tr>
<td>IMDG</td>
<td>OCEAN</td>
<td>NON REGULATED</td>
<td>NON REGULATED</td>
<td>NON REGULATED</td>
<td>NA</td>
</tr>
<tr>
<td>MARINE POLLUTANT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

THE INFORMATION GIVEN IS BASED ON DATA AVAILABLE FOR THE MATERIAL, THE COMPONENTS OF THE MATERIALS AND SIMILAR MATERIALS EXPECTED TO DEGRADE RAPIDLY IN AIR.

THE INFORMATION GIVEN IS BASED ON DATA AVAILABLE FOR THE MATERIAL, THE COMPONENTS OF THE MATERIALS AND SIMILAR MATERIALS EXPECTED TO DEGRADE RAPIDLY IN AIR.

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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.

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

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: WARNING: This product does not contain 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 INCLUSION ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES? YES

-- PAGE 4 OF 4 --

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:

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

POWERSEAL 20 NPCA-HMIS NFPA 704

HEALTH 1 1 2 -- MODERATE

FLAMMABILITY 1 1 1 -- SLIGHT

REACTIVITY 0 0 0 -- MINIMAL