SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:
POWERCOAT PRIMER PIGMENTED

VOC CONTENT: <350 GRAMS/LITER OR <2.90 #/GAL
CATEGORY: CONCRETE CURING COMPOUND
COMMON NAME: STYRENE ACRYLATE COPOLYMER PAINT EXEMPT SOLVENT
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: MAY 1997
UPDATED: 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 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>
</tr>
</thead>
<tbody>
<tr>
<td>STYRENE ACRYLATE POLYMER</td>
<td>25036-16-2</td>
<td>25-32%</td>
<td>ND</td>
</tr>
<tr>
<td>ACETONE</td>
<td>67-64-1</td>
<td>25-35%</td>
<td>OSHA HAZARD / DOT LABEL: FLAMMABLE LIQUID</td>
</tr>
<tr>
<td>OSFA PEL: 1000 ppm</td>
<td>ACGIH TLV: 500 ppm NIOSH REL: 250 ppm RQ 5000 lbs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOLVENT NAPHTHA (Petroleum), LIGHT AROMATIC (AROMATIC 100)</td>
<td>64742-95-6</td>
<td>25-35%</td>
<td>TLV 50ppm</td>
</tr>
<tr>
<td>OSHA HAZARD: COMBUSTIBLE LIQUID</td>
<td>EXXON/MOBIL RCP 19ppm (TWA)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PIGMENT 1. TITANIUM DIOXIDE (TiO2)</td>
<td>1363-67-1</td>
<td>5-10%</td>
<td>OSHA PEL: 15mg/m (total dust)</td>
</tr>
<tr>
<td>ACGIH TLV: 15mg/m (total dust)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PIGMENT 2. CALCIUM CARBONATE</td>
<td>1317-65-3</td>
<td>5-10%</td>
<td>OSHA PEL: 5.0 mg/m Total</td>
</tr>
<tr>
<td>OSHA PEL: 15 mg/m Total</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SILICA</td>
<td>14808-60-7</td>
<td>1-5%</td>
<td>ACGIH TWA: 0.05 mg/m TOTAL</td>
</tr>
<tr>
<td>OSHA TWA: 0.1 mg/m TOTAL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA TWA: 0.3 mg/m TOTAL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA PEL: 5 mg/m TOTAL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA PEL: 15 mg/m TOTAL</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION IV FIRST AID MEASURES

HEALTH HAZARD DATA HAZARD CLASSIFICATION
BASIS FOR CLASSIFICATION SOURCE

ROUTES OF EXPOSURE:
THIS PRODUCT MAY CREATE BREATHING DIFFICULTIES. DIZZINESS, LIGHTHEADEDNESS WHEN WORKING IN AREAS WITH HIGH VAPOR CONCENTRATION. VAPOR INHALATION CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA OR HEADACHE. STODDARD SOLVENT COMPONENT AND ACETONE COMPONENT AND XYLENES COMPONENT.

INHALATION:
THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT. 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 / 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.
ACCUMULATION: FLAMMABLE OR COMBUSTIBLE LIQUID CAN ACCUMULATE STATIC CHARGES IN CONTAINERS DUE TO DANGER OF BOIL OVER. THE USE OF SELF-BREATHTHING 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 AND FLUSH AFFECTED BOG AREAS WITH WATER COLLECTED IN TANK OR CONTAINERS. USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL. ISOLATE "FUEL" SUPPLY FROM FIRE. 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 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 AREAS WITH WATER COLLECTED IN TANK OR CONTAINERS. 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. PERSONNEL SHOULD AVOID INHALATION OF VAPORS.

PRODUCT WILL BURN IF TEMPERATURE EXCEEDS BOILING POINT. WATER MIX: NO UNUSUAL HAZARDS. NO UNUSUAL HAZARDS. FLAMMABLE VAPORS MAY ACCUMULATE IN THE CONTAINER HEADSPACE ON FORMATION OF HYDROLYSIS BY-PRODUCTS. IF STORAGE CONTAINERS ARE EXPOSED TO EXCESSIVE HEAT, OVER PRESSURIZATION OF THE CONTAINERS CAN RESULT. VAPOUR 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.

THE USE OF SELF-BREATHTHING 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.
OTHER HANDLING AND STORAGE REQUIREMENTS: STORE AND USE IN WELL VENTILATED AREA, EQUIVALENT TO FRESH AIR. KEEP CONTAINERS COOL, DRY, AND AWAY FROM SOURCES OF IGNITION. 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, SOURCES OF IGNITION, ETC. USE WITH EXPLOSION PROOF EQUIPMENT IS HIGHLY ADVISABLE.

SECTION VII 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. IMPERVIOUS GLOVES, (CHEMICAL RESISTANT) SUCH AS NEOPRENE, LATEX OR PVA.

OTHER CLOTHING AND EQUIPMENT: TO PREVENT BODY CONTACT, IMPERVIOUS CLOTHING AND BOOTS ARE RECOMMENDED. IMPERVIOUS 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: 56 C / 134 F (Acetone)
MELTING/FREEZE POINT: -95 C / -139 F (acetone)
VAPOR PRESSURE: 184 mmHg@68°F/20°C (acetone)
VAPOR DENSITY (AIR=1): 2.0 (acetone)
SOLUBILITY IN H2O % BY WT: % VOLATILES BY VOL: 2.5%
SPECIFIC GRAVITY (H2O=1): 0.983
PH (AS IS): N/A
APPEARANCE AND ODOR: Brown Liquid with Acetone Odor
FLASH POINT (TEST METHOD): -17°C / 1.4°F (TCC) (acetone)
AUTOIGNITION TEMP: 465°C / 869°F (acetone)
FLAMMABLE LIMITS IN AIR, % BY VOL: LOWER: 2.5% UPPER: 12.8% (acetone)

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

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

SECTION XII ECOLOGICAL INFORMATION

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 THE SOIL, THIS MATERIAL IS EXPECTED TO QUICKLY EVAPORATE.
WATER: WHEN RELEASED IN WATER RATE THIS MATERIAL IS EXPECTED TO READILY BIODEGRADE. WHEN RELEASED INTO WATER THEY BECOME EXPECTED TO QUICKLY EVAPORATE. THIS MATERIAL HAS A LOG OCTAL-WATER PARTITION COEFFICIENT OF LESS THAN 3.0. THIS MATERIAL IS EXPECTED TO BIOACUMULATE.

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

DOT: 1866 RESIN SOLUTION 3 III ORMD – Max 30Kg gross wt (66lbs)
IATA: AIR 1866 RESIN SOLUTION 3 III Passenger Aircraft – 60L Cargo Aircraft – 220L
IMDG: OCEAN 1866 RESIN SOLUTION 3 III
MARINE POLLUTANT: THIS PRODUCT DOES NOT CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 172.101 APPENDIX B) AROMATIC 100

SECTION XV REGULATORY INFORMATION

Page 3 of 4
**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), or 1330-20-7 (xylenes) or 8052-41-3 (Stoddard solvent) or 540-88-5 (tertiary butyl acetate).

**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 acetate, glycol ethers, ammonium citrate dibasic).

**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: Yes 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 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)

**TSCA:** Is this product, or all its ingredients, being certified for inclusion on the Toxic Substances Control Act inventory of chemical substances? Yes.

**CERCLA:** 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:**

<table>
<thead>
<tr>
<th></th>
<th>NPCA-HMIS</th>
<th>NFPA 704</th>
<th>KEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Powercoat Primer Pigmented</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Flammability</td>
<td>3</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

---

Prepared by: Darryl Manuel / President
Company: Vexcon Chemicals, Inc.
Address: 7240 State Rd., Phila., PA 19135 USA

Page 4 of 4