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

SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:
POWERCOAT PRIMER WB CLEAR & PIGMENTED
VOC CONTENT: <300 GRAMS/LITER OR <2.50 #/GAL
COMMON NAME: VINYLTOLUENE ACRYLATE EMULSION
MANUFACTURER: VEXCON CHEMICALS, INC
ADDRESS: 7240 STATE RD, PHILADELPHIA, PA 19135
EMERGENCY NO: 800.858.2828 (PolySat Inc)
CHEMTREC NO: 215.332.7709 (Vexcon)
PREPARED: JANUARY 2001
UPDATED: JULY 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 15%. 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

MATERIAL OR COMPONENTS | CAS NO. | % | HAZARD DATA | UN#
--- | --- | --- | --- | ---
VINYLTOLUENE ACRYLATE POLYMER | 25085-34-1 | 25-35% | ND | 1993 (FLAMMABLE LIQUIDS, N.O.S)
SOLVENT NAPTHHA (Petroleum), LIGHT AROMATIC (AROMATIC 100) | 64742-95-6 | 5-15% | TLV 50ppm OSHA HAZARD: COMBUSTIBLE LIQUID EXXON/MOBIL RCP 19ppm (TWA) | 1266 (PETROLEUM DISTILLATES, N.O.S.)

PIGMENTS
1. TITANIUM DIOXIDE (TiO2) | 1363-67-1 | | OSHA PEL: 15mg/m3 (total dust) ACGIH TLV: 15mg/m3 (total dust) |
2. CALCIUM CARBONATE | 1317-65-3 | | OSHA TWA 5.0 mg/m3 RESP. OSHA TWA 15.0 mg/m3 TOTAL |

AR100 THE AROMATIC SOLVENT PORTION CONTAINS THE FOLLOWING SECTION 313 REPORTABLE INGREDIENTS:

COMPONENT | CAS NO. | MAX % | HAZARD DATA | UN#
--- | --- | --- | --- | ---
1,2,4-TRIMETHYL BENZENE (PSEUDOCUMENE) | 95-63-6 | <32.0% | OSHA PEL: NE ACGIH TLV: 25ppm (TWA) | 1903 (FLAMMABLE LIQUIDS, N.O.S) OR 3995 (HYDROCARBONS, LIQUID, N.O.S.)
XYLENES | 1330-20-7 | <2.2% | OSHA Z1 100ppm (TWA) ACGIH TLV 100ppm (TWA) NIOSH REL 100 ppm (TWA) | 1307 (XYLENES)
CUMENE | 98-82-8 | <1.1% | OSHA Z1 50ppm (TWA) ACGIH TLV 50ppm (TWA) | 1918 (ISOPROPYL BENZENE)

(XYLENE) THE SOLVENT PORTION CONTAINS THE FOLLOWING SECTION 313 REPORTABLE INGREDIENTS:

COMPONENT | CAS NO. | MAX % | HAZARD DATA | UN#
--- | --- | --- | --- | ---
XYLENES | 1330-20-7 | 70-80% TYPICAL | OSHA Z1 100ppm (TWA) ACGIH TLV 100ppm (TWA) NIOSH REL 100 ppm (TWA) | 1307
ETHYL BENZENE | 100-41-4 | 20-30% TYPICAL | OSHA Z1 100ppm (TWA) ACGIH TLV 100ppm (TWA) NIOSH REL 100 ppm (TWA) | 1175

SAFETY DATA SHEET
VEXCON NO. CP100
POWERCOAT PRIMER WB CLEAR & PIGMENTED

http://vexcon.com
**HAZARD:**

**AND EXPLOSION UNUSUAL FIRE ELECTRO-Hazard:**

**MEDIA:**

EXTINGUISHING INHALATION:

INHALATION:

**SKIN CONTACT:**

**SKIN ABSORPTION:**

**EYE CONTACT:**

**INGESTION / INHALATION**

**EFFECTS OF OVEREXPOSURE:**

**ACUTE OVEREXPOSURE:**

**EMERGENCY AND FIRST AID PROCEDURES:**

**EYES:**

**SKIN:**

**INHALATION:**

**INGESTION:**

**SECTION VII HANDLING AND STORAGE**

**PRECAUTIONARY STATEMENTS:** PERSONNEL SHOULD AVOID INHALATION OF VAPORS. PERSONAL CONTACT WITH THE PRODUCT SHOULD BE AVOIDED. SHOULDN'T 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 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 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 MAY BE REQUIRED. OTHER SPECIAL PRECAUTIONS SUCH AS RESPIRATORY 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; HALFW 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 OF CONTACT IRITATION OR INJURY.

**GLOVES:** THE USE OF IMPERMEABLE GLOVES IS ADVISED TO PREVENT SKIN IRRITATION IN SENSITIVE INDIVIDUALS. IMPERVIOUS GLOVES (CHEMICAL RESISTANT) SUCH AS NITRILE, 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 SHOES IN WORK AREAS IS RECOMMENDED.
### SECTION IX PHYSICAL / CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>(760 mmHg) 100°C / 212°F (WATER)</td>
</tr>
<tr>
<td>Melting/Freezing Point</td>
<td>0°C / 32°F (WATER)</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>1.97 mmHg at 88°F/20°C (AR100)</td>
</tr>
<tr>
<td>Vapour Density (Air=1)</td>
<td>4.2 (AR100)</td>
</tr>
<tr>
<td>Solubility in Water % by WT</td>
<td>100%</td>
</tr>
<tr>
<td>Evaporation Rate (BuAc=1)</td>
<td>0.27 SLOW (AR100)</td>
</tr>
<tr>
<td>Realistic Density (H2O=1)</td>
<td>1.002</td>
</tr>
<tr>
<td>pH (AS IS)</td>
<td>N/A</td>
</tr>
<tr>
<td>pH (1% Soln)</td>
<td>N/A</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Milky white emulsion with aromatic solvent odor</td>
</tr>
<tr>
<td>Flash Point (Test Method)</td>
<td>&lt;93°C / &lt;200°F (TCC)</td>
</tr>
<tr>
<td>Autogignition Temp</td>
<td>479°C / 894°F (AR100)</td>
</tr>
<tr>
<td>Flammable Limits in Air, % by Vol:</td>
<td>LOWER: 0.9% UPPER: 6.2% (AR100)</td>
</tr>
</tbody>
</table>

### 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

#### Inhalation
- **Toxicity:** May cause central nervous system effects. Based on test data for the material.
- **Irritation:** May be irritating to the respiratory tract. The effects are reversible. Based on test data for structurally similar materials.

#### Ingestion
- **Toxicity:** LD50 >3000 mg/kg
- **Irritation:** Minimally toxic. Based on test for structurally similar materials.

#### Skin
- **Toxicity:** LD50 >3160 mg/kg
- **Irritation:** Minimally toxic. Based on test data for the material.

#### Eye
- **Irritation:** May cause mild, short-lasting discomfort to eyes. Based on test data for the material.

#### Chronic/Other Effects
- **Vapour/Aerosol Concentrations Above Recommended Exposure Levels:** Are irritating to the eyes and respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects including death.
- **Prolonged and/or Repeated Skin Contact with Low Viscosity Materials:** May defat the skin resulting in possible irritation and dermatitis.
- **Small Amounts of Liquid Aspirated into the Lungs During Ingestion of From Vomiting:** May cause chemical pneumonitis or pulmonary edema.

### SECTION XII ECOLOGICAL INFORMATION

The information given is based on data available for the material, the components of the material, 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 to sediment and wastewater solids.

#### Persistence and Degradability
- **Biodegradation:** Material – Expected to readily 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

**Aqueous Toxicity (EC 96HR 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 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>
</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>
</tbody>
</table>

**Marine Pollutant:** This product does contain a material on the Marine Pollutants Table (HMT 172.101 Appendix B) aromatic 100.
### 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 64742-95-6 (aromatic 100).

**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 (Stoddard solvent, aromatic solvent naphtha).

**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)

**CERCLA / RQ:** None established. This product contains a material on the RQ Table (HMT 172.101 Appendix A); Xylenes, Mixed

**TSCA:** Is this product, or all its ingredients, being certified for inclusion on the toxic substances control act inventory of chemical substances? Yes

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### 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:

This information is for people trained in:
National Paint and Coatings Associations (NPMA)
Hazardous Materials Identification System (HMIS)
National Fire Protection Association (NFPA 704)
Identification of fire hazards of materials

<table>
<thead>
<tr>
<th>POWERCOAT PRIMER</th>
<th>NPCA-HMIS</th>
<th>NFPA 704</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB CLEAR &amp; PIGMENTED</td>
<td>3 -- SERIOUS</td>
<td>3 -- SERIOUS</td>
</tr>
</tbody>
</table>

| HEALTH | 1 | 2 -- MODERATE |
| FLAMMABILITY | 1 | 1 -- SLIGHT |
| REACTIVITY | 0 | 0 -- MINIMAL |

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