SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:
POWERCOAT UV+ HD WB PART A PIGMENTED

VOC CONTENT: AS APPLIED: <340 GRAMS/LITER OR <2.83#/GAL
Part A ONLY: 244 g/L OR 2.03#/GAL
Part B ONLY: 165 g/L OR 1.37#/GAL

CATEGORY: INDUSTRIAL MAINTENANCE COATING (OTC LIMIT 340 g/L)

COMMON NAME: URETHANE COATING

MANUFACTURER: VEXCON CHEMICALS, INC.
ADDRESS: 7240 STATE RD., PHILA., PA 19135 USA
EMERGENCY NO: 1-800-858-2828 (PolySat)
TELEPHONE NO: 1-215-332-7709 (Vexcon)
CHEMTREC NO: 1-800-424-9300 (CCN#23822)
PREPARED: AUGUST 2011
UPDATED: JUNE 2017
PREPARED BY: DARRYL F. MANUEL, PRESIDENT

SECTION II – HAZARD IDENTIFICATION

CLASSIFICATION OF MIXTURE
FLAMMABLE LIQUID – CATEGORY 4
ASPIRATION - CATEGORY 1
SPECIFIC TARGET ORGAN TOXICANT (CENTRAL NERVOUS SYSTEM) – CATEGORY 3
SPECIFIC TARGET ORGAN TOXICANT (RESPIRATORY IRRITANT) – 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. 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>
</tr>
</thead>
<tbody>
<tr>
<td>STYRENE ACRYLATE POLYMER</td>
<td>25036-16-2</td>
<td>50–60%</td>
<td>N/D</td>
</tr>
<tr>
<td>SOLVENT NAPHTHA (Petroleum), LIGHT AROMATIC (AROMATIC 100)</td>
<td>64742-95-6</td>
<td>15–20%</td>
<td>TLV 50ppm OSHA HAZARD: COMBUSTIBLE LIQUID EXXON/MOBIL RCP 19ppm (TWA)</td>
</tr>
<tr>
<td>PERFORMANCE ADDITIVES</td>
<td>N/A</td>
<td>4–5%</td>
<td>ND</td>
</tr>
<tr>
<td>WATER</td>
<td>7732-18-5</td>
<td>BAL</td>
<td>NA</td>
</tr>
</tbody>
</table>

PIGMENTS

1. TITANIUM DIOXIDE (TiO2) 1363-67-1 5–10% OSHA TWA 5.0 mg/m3 RESP. OSHA TWA 15.0 mg/m3 TOTAL

2. CALCIUM CARBONATE 1317-65-3 5–10% OSHA TWA 0.05 mg/m3 RESP. OSHA TWA 0.1 mg/m3 TOTAL

3. SILICA 14808-60-7 1–5% OSHA TWA: 0.1 mg/m3 TOTAL OSHA PEL: 5 mg/m3 RESP. OSHA PEL: 15 mg/m3 TOTAL

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

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS NO.</th>
<th>MAX %</th>
<th>HAZARD DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,4-TRIMETHYL BENZENE (PSEUDOCUMENE)</td>
<td>95–83-6</td>
<td>&lt;32.0%</td>
<td>OSHA PEL: NE ACGIH TLV: 25ppm (TWA)</td>
</tr>
<tr>
<td>XYLENES</td>
<td>1330-20-7</td>
<td>&lt;2.2%</td>
<td>OSHA Z1 100ppm (TWA) ACGIH TLV 100ppm (TWA) NIOSH REL 100 ppm (TWA)</td>
</tr>
<tr>
<td>CUMENE</td>
<td>98–82-8</td>
<td>&lt;1.1%</td>
<td>OSHA Z1 50ppm (TWA) ACGIH TLV 50ppm (TWA)</td>
</tr>
</tbody>
</table>

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

| XYLENES | 1330-20-7 | 15% TYPICAL | OSHA Z1 100ppm (TWA) ACGIH TLV 100ppm (TWA) NIOSH REL 100 ppm (TWA) |
| ETHYL BENZENE | 100-41-4 | 5% TYPICAL | OSHA Z1 100ppm (TWA) ACGIH TLV 100ppm (TWA) NIOSH REL 100 ppm (TWA) |
SECTION IV  FIRST AID MEASURES

HEALTH HAZARD DATA

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.

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:  SMALL AMOUNTS OF LIQUID ASPIRATED INTO THE RESPIRATORY SYSTEM DURING INGESTION, OR FROM VOMITING, MAY CAUSE BURNING, CHEMOPNEUMONIA OR PULMONARY EDEMA. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

INGESTION / INHALATION:  TLV 100 ppm (Xylenes).

ACUTE OVEREXPOSURE:  ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS. LIQUIDS MODERATELY IRRITATING ON SKIN AND EYES.

EMERGENCY AND FIRST AID PROCEDURES:

EYES:  FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEEK 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 PROMPT MEDICAL ATTENTION.

INGESTION:  DO NOT INDUCE VOMITING; SEEK PROMPT MEDICAL ATTENTION.

PRECAUTIONARY STATEMENTS:

ENVIRONMENTAL HAZARDS:  NO SPECIAL HAZARDS EXPRESSED.

PRECAUTIONS FOR SAFE HANDLING:  USE PROPER GROUNDING TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY.

SAFETY PRECAUTIONS:  USE OF IMPERMEABLE GLOVES IS ADVISED TO PREVENT SKIN DRESSING OF MATERIALS SUCH AS NEOPRENE, LATEX OR PVA.

OTHER CLOTHING AND EQUIPMENT:  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. THE AVAILABILITY OF EYE WASHES AND SAFETY SHOWERS IN WORK AREAS IS RECOMMENDED.

SECTION VI  ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

PREVENT PRESSURE BUILD UP. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.

PRECAUTIONARY STATEMENTS:

PERSONNEL SHOULD AVOID INHALATION OF VAPORS. PERSONAL CONTACT WITH THE PRODUCT SHOULD BE AVOIDED. SHOULDER OR 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 CONTAINERS RETAIN PRODUCT RESIDUE (VAPOR, LIQUID AND/OR SOLID). ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET MUST BE OBSERVED.

OTHER HANDLING AND STORAGE REQUIREMENTS:  STORE AND USE IN WELL VENTILATED AREA. EQUIVALENT TO FRESH AIR. 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 AND SOURCES OF IGNITION (FLARES, FLAMES, SPARKS, SOURCES OF IGNITION, ETC). USE WITH EXPLOSION PROOF EQUIPMENT IS HIGHLY ADVISABLE.

SECTION VII  HANDLING AND STORAGE

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 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.

OTHER CLOTHING AND EQUIPMENT:  OTHER CLOTHING AND EQUIPMENT 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.

SECTION VIII  EXPOSURE CONTROLS / PERSONAL PROTECTION

BOILING POINT:  (760mmHg) 98°F / 36°C

VAPOR PRESSURE:  8 month/98°F/20°C (Xylenes) (Ma.)

SOLUBILITY IN H2O % BY WT:  MISCELL.

EVAPORATION RATE (BuA=1):

SPECIFIC GRAVITY (H2O=1)

APPEARANCE AND ODOR:  MILKY LIQUID EMULSION WITH PAINT SOLVENT ODOR: VARIOUS COLORS

FLASH POINT:  (TEST METHOD)  >93°C / >200°F (TCC)
### 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: XYLENE

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD₅₀ (RAT MALE)</td>
<td>3,523 mg/kg</td>
</tr>
<tr>
<td>LD₅₀ (RABBIT)</td>
<td>1,100 mg/kg</td>
</tr>
</tbody>
</table>

#### ACUTE ORAL TOXICITY

- **METHOD:** EU METHODS B.1 (ACUTE ORAL TOXICITY)
- **GLP:** No
- **LD₅₀ (RAT MALE):** 6700 ppm
- **EXPOSURE TIME:** 4 HOURS

#### ACUTE INHALATION TOXICITY

- **METHOD:** DIRECTIVE 67/548/EEC, ANNEX V, B.2
- **ASSESSMENT:** THE COMPONENT/MIXTURE IS MODERATELY TOXIC AFTER SHORT TERM INHALATION
- **LD₅₀ (RABBIT):** 1,100 mg/kg
- **EXPOSURE TIME:** 24 HOURS
- **RESULT:** IRRITATING TO SKIN

#### ACUTE DERMAL TOXICITY

- **SPECIES:** RABBIT
- **EXPOSURE TIME:** 8 WEEKS
- **APPLICATION ROUTE:** ORAL
- **RESULT:** IRRITATING TO EYES

#### SKIN CORROSION/IRRITATION

- **EXPOSURE:** 24 HOURS
- **RESULT:** IRRITATING TO SKIN
- **SPECIES:** RABBIT

#### SERIOUS EYE DAMAGE/EYE IRRITATION

- **RESULT:** IRRITATING TO EYES

#### RESPIRATORY OR SKIN SENSITISATION

- **REMARKS:** NO DATA AVAILABLE

#### GERM CELL MUTAGENICITY

- **TEST TYPE:** CHROMOSOME ABERRATION TEST IN VITRO
- **TEST SPECIES:** CHINESE HAMSTER OVARY (CHO)
- **RESULT:** NEGATIVE

#### GENOTOXICITY IN VITRO

- **TEST TYPE:** SISTER CHROMATID EXCHANGE ASSAY IN MAMMALIAN CELLS
- **TET SPECIES:** CHINESE HAMSTER OVARY (CHO)
- **RESULT:** NEGATIVE

#### GENOTOXICITY IN VIVO

- **APPLICATION ROUTE:** SUBCUTANEOUS
- **EXPOSURE TIME:** 8 WEEKS
- **METHODS:** OECD TEST GUIDELINE 478
- **RESULT:** NEGATIVE
- **GLP:** No

#### GERM CELL MUTAGENICITY ASSESSMENT

- **ANIMAL TESTING DID NOT SHOW AN MUTAGENIC EFFECTS

#### CARCINOGENICITY

- **SPECIES:** MOUSE (MALE AND FEMALE)
- **APPLICATION ROUTE:** ORAL
- **EXPOSURE TIME:** 103 WEEKS

### CARCINOGENICITY ASSESSMENT (ETHYL BENZENE)

- **NO CLASSIFIED AS A HUMAN CARCINOGEN

#### CARCINOGENICITY ASSESSMENT (XYLENE)

- **NO CARCINOGENIC EFFECTS

#### EFFECTS ON FERTILITY

- **GENERAL TOXICITY – PARENT:** NOAEC: >500 ppm
- **GENERAL TOXICITY – F1:** NOAEC: >500 ppm
- **EFFECTS ON FERTILITY:** EARLY EMBRYONIC DEVELOPMENT: NOAEC: >500 ppm
- **RESULT:** NO REPRODUCTIVE EFFECTS

#### REPRODUCTIVE TOXICITY – ASSESSMENT

- **TARGET ORGANS:** RESPIRATORY SYSTEM
- **ASSESSMENT:** MAY CAUSE DAMAGE TO FETUS NOT CLASSIFIABLE

#### STOT – SINGLE EXPOSURE

- **ASSESSMENT:** MAY CAUSE RESPIRATORY IRRITATION. THE SUBSTANCE OR MIXTURE IS CLASSIFIED AS SPECIFIC TRAGET ORGAN TOXICITY, SINGLE EXPOSURE CATEGORY 2 WITH RESPIRATORY TRACT IRRITATION.

#### STOT – REPEATED EXPOSURE

- **ASSESSMENT:** MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. THE SUBSTANCE OR MIXTURE IS CLASSIFIED AS SPECIFIC TARGET ORGAN TOXICANT, REPEATED EXPOSURE CATEGORY 2.
SECTION XII ECOLOGICAL INFORMATION

ECOTOXICITY
TOXIC TO FISH
LC50 (ONCORHYNCHUS MYKISS (RAINBOW TROUT)): 2.6 mg/l
EXPOSURE TIME: 96 HRS
METHOD: OECD TEST GUIDELINE 203

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES
EC50 (DAPHNIA MAGNA (WATER Flea)): 1 mg/l
EXPOSURE TIME: 24 h
TEST TYPE: STATIC TEST
METHOD: OECD TEST GUIDELINE 201
GLP: YES

ECOTOXICOLGY ASSESSMENT
ACUTE AQUATIC TOXICITY TOXIC TO AQUATIC LIFE
CHRONIC AQUATIC TOXICITY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

PERSISTENCE AND DEGRADABILITY
BIODEGRADABILITY INOCULUM: ACTIVATED SLUDGE
RESULT: READILY BIODEGRADABLE
BIODEGRADATION: 72%
EXPOSURE TIME: 20 DAYS

BIOPERSISTENCE PARTITION COEFFICIENT: n-octanol/water LOW POW: 2.77 - 3.15
MABILITY IN SOIL NO DATA AVAILABLE
OTHER ADVERSE EFFECTS NO DATA AVAILABLE

REGULATION
40 CFR PROTECTION OF ENVIRONMENT: PART 82 PROTECTION OF STRATOSPHERIC OZONE – CAA SECTION 602 CLASS I SUBSTANCES.

REMARKS
THIS PRODUCT DOES NOT CONTAIN A MATERIAL OF PROFESSIONAL HANDLING OR DISPOSAL. TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

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.

SECTION XIV TRANSPORTATION INFORMATION

DOT GROUND (NON BULK) NON REGULATED NON REGULATED NA NA
IATA AIR 1866 RESIN SOLUTIONS 3 III
IMDG OCEAN 1866 RESIN SOLUTIONS 3 III

MARINE POLLUTANT: THIS PRODUCT DOES NOT CONTAIN A MATERIALL ON THE MARINE POLLUTANTS TABLE (HMT 172.101 APPENDIX B) AROMATIC

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 1330-20-7 (XYLENES)

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 100 POUNDS (XYLENES, MIXED)

SARA Title III: UNDER THE PROVISIONS OF TITLE III, SECTIONS 311/312 OF THE SUPPLEMENT 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/PDA / 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 contains chemicals known to the state of California to cause cancer or birth defects or other reproductive harm. (Crystalline Silica particles of respirable size).

CERCLA / RQ: 100 POUNDS (XYLENES, MIXED). 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

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:

KEY
POWERCOAT UV+ WB PART A PIGMENTED NPCA-HMIS NPFA 704 4 -- SEVERE 3 -- SERIOUS
HEALTH 2 2 2 -- MODERATE 1 -- SLIGHT
FLAMMABILITY 2 2 0 -- MINIMAL
HAZARD RATING  
4=EXTREME  
3=HIGH  
2=MODERATE  
1=SLIGHT  
0=INSIGNIFICANT

HEALTH  
FLAMMABILITY  
REACTIVITY

SAFETY DATA SHEET  
VEXCON NO. CP147  
POWERCOAT UV+ HD WB  
PIGMENTED PART B

SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:  
POWERCOAT UV+ HD WB PIGMENTED PART B

VOC CONTENT:  
AS APPLIED: <340 GRAMS/LITER OR 2.83#/GAL  
PART A: Pigmented Component: 244 g/L OR 2.03#/GAL  
PART B: ONLY: 165 GRAMS/LITER OR 1.37#/GAL

CATEGORY:  
INDUSTRIAL MAINTENANCE COATING (OTC)

MANUFACTURER:  
VEXCON CHEMICALS, INC.

ADDRESS:  
7240 STATE RD., PHILA., PA 19135 USA

EMERGENCY NO:  
1-800-858-2828

TELEPHONE NO:  
1-215-332-7709 (Vexcon)

CHEMTREC NO:  
1-800-424-9300 (Chemtrec)

PREPARED:  
FEBRUARY 2010

UPDATED:  
JUNE 2017

PREPARED BY:  
DARRYL F. MANUEL, PRESIDENT

SECTION II - HAZARD IDENTIFICATION

CLASSIFICATION OF MIXTURE:  
FLAMMABLE LIQUIDS – CATEGORY 2  
ACUTE TOXICITY; INHALATION – CATEGORY 4  
SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY – SINGLE EXPOSURE – CATEGORY 3  
ACUTE AQUATIC TOXICITY – CATEGORY 3

SINGLE WORD: DANGER

HAZARD STATEMENT:  
HIGHLY FLAMMABLE LIQUID AND VAPOR. HARMFUL IF INHALED. MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS. HARMFUL TO AQUATIC LIFE.

PRECAUTIONARY STATEMENT:  
FLAMMABLE LIQUID: KEEP AWAY FOR HEAT/SPARKS/OFF FLAMES/HOT SURFACES- NO SMOKING. 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>
<th>UN#</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEXANE, 1,6 DIISOCYANATO HOMOPOLYMER</td>
<td>28182-81-2</td>
<td>&lt;40-50%</td>
<td>1 mg/m3 (TWA)</td>
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</tr>
<tr>
<td>ISOPHORONE DIISOCYANATE HOMOPOLYMER</td>
<td>53880-05-0</td>
<td>&lt;20-30%</td>
<td>YES</td>
<td>N/A</td>
</tr>
<tr>
<td>BUTYL ACETATE</td>
<td>123-86-4</td>
<td>&lt;10-15%</td>
<td>OSHA PEL: 150 ppm (TWA)</td>
<td>1123</td>
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<tr>
<td>POLYOXYETHYLENE TRIDECYL ETHER PHOSPHATE</td>
<td>9046-01-9</td>
<td>&lt;1-10%</td>
<td>YES</td>
<td>N/A</td>
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<tr>
<td>CYCLOHEXANAMINE, N,N-DIMETHYL</td>
<td>98-94-2</td>
<td>&lt;1-5%</td>
<td>SEVERE SKIN AND EYE IRRITANT</td>
<td>2264</td>
</tr>
<tr>
<td>HEXANE, 1,6 DIISOCYANATO</td>
<td>822-06-0</td>
<td>&lt;1%</td>
<td>EUROPE 0.005 ppm (TWA)</td>
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<tr>
<td>ISOPHORONE DIISOCYANATE</td>
<td>4098-71-9</td>
<td>&lt;1%</td>
<td>NIOSH REL 0.005 ppm (TWA)</td>
<td>2290</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.

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 150 ppm BUTYL ACETATE COMPONENT. ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS, LIQUIDS MODERATELY IRITATING 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.
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: ELIMINATE SOURCES OF IGNITION (FLARES, FLAMES, PILOT LIGHTS, ELECTRICAL SPARKS). 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. DIKE SPILL AREA WITH SAND OR EARTH TO CONTAIN SPILLED LIQUID AND PREVENT SPREADING. DO NOT USE COMBUSTIBLE MATERIALS SUCH AS SAWDUST. PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID CAN BE TAKEN UP ON SAND, EARTH, FLOOR ABSORBENT, OR WITH ANOTHER SUITABLE ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO EPA, FEDERAL, STATE, AND LOCAL DISPOSAL REGULATIONS.

SECTION VI ACCIDENTAL RELEASE MEASURES

PRECAUTIOUS STATEMENTS: PERSONNEL SHOULD AVOID INHALATION OF VAPORS. PERSONAL CONTACT WITH THE PRODUCT SHOULD BE AVOIDED. SHOULD CONTACT BE MADE, REMOVE SATURATED APPAREL AND FLUSH AFFECDT BODY AREAS WITH WATER. CLOTHING MUST BE WASHED AND DRIED BEFORE REUSE. CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS TO THE ENVIRONMENT. CONTAINERS AND 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 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 XI STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>CONDITIONS CONTRIBUTING TO INSTABILITY:</th>
<th>THIS PRODUCT IS STABLE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>INCOMPATIBILITY:</td>
<td>THIS PRODUCT IS INCOMPATIBLE WITH STRONG OXIDIZING AGENTS, STRONG ACIDS OR BASES, AND SELECTED AMINES. REACTS WITH WATER.</td>
</tr>
<tr>
<td>HAZARDOUS DECOMPOSITION PRODUCTS:</td>
<td>THERMAL DECOMPOSITION IN THE PRESENCE OF AIR MAY YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE, OXIDES OF NITROGEN AND UNIDENTIFIED ORGANICS.</td>
</tr>
<tr>
<td>CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION:</td>
<td>N/A WILL NOT OCCUR</td>
</tr>
</tbody>
</table>

### SECTION XII ECOLOGICAL INFORMATION

#### TOXICITY

| TOXICITY TO FISH | LC50 – ONCORHYNCHUS MYKISS (RAINBOW TROUT) – 9.2 mg/l – 96HR |
| TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES | EC50 – DAPHNIA MAGNA (WATER FLEA) – 8.3 mg/l – 48 HR |

#### MOBILITY IN SOIL

NO DATA AVAILABLE

#### OTHER ADVERSE EFFECTS

- AN ENVIRONMENTAL HAZARD CANNOT BE EXCLUDED IN THE EVENT OF EUROPROFESSIONAL HANDLING OR DISPOSAL.
- TOXIC TO AQUATIC LIFE
- AVOID RELEASE TO THE ENVIRONMENT

### SECTION XIII DISPOSAL CONSIDERATIONS

- 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).
- TYPICALLY CONTROLLED BURNING, INCINERATION OR APPROVED LAND FILL SITES ARE AVAILABLE.
- CONTENTION 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).

### SECTION XIV TRANSPORTATION INFORMATION

#### Governing Body

| DOT | GROUND | 1866 | RESIN SOLUTION | 3 | III | ORM D – 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 |

### SKIN

HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SKIN IRRITATION.

### EYES

CAUSES EYE IRRITATION.

### SIGNS AND SYMPTOMS OF EXPOSURE

TO THE BEST OF OUR KNOWLEDGE THE CHEMICAL PHYSICAL AND TOXICOLOGICAL PROPERTIES HAV NOT BEEN THOROUGHLY INVESTIGATED. COUGH SHORTNESS OF BREATH. HEADACHE. NAUSEA. VOMITING.

### SYNERGISTIC EFFECTS

NO DATA AVAILABLE

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**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). TYPICALLY CONTROLLED BURNING, INCINERATION OR APPROVED LAND FILL SITES ARE AVAILABLE.
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 123-86-4 (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 BUTYL ACETATE.

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: FIRE HAZARD, ACUTE HEALTH HAZARD.

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).

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) NO

CERCLA / RQ: 5000 POUNDS (BUTYL ACETATE.) THIS PRODUCT CONTAINS A MATERIAL ON THE RQ TABLE (HMT 172.101 Appendix A): BUTYL ACETATE.

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

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HMIS HAZARD RATINGS:


<table>
<thead>
<tr>
<th>POWERCOAT UV+ HD WB PIGMENTED PART B</th>
<th>NPCA-HMIS</th>
<th>NFPA 704</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>REACTIVITY</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

KEY

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