SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:
POWERCOAT UV+ WB PIGMENTED PART A

VOC CONTENT:
AS APPLIED: <340 GRAMS/LITER OR <2.82 #/GAL
PART A ONLY: 244 grams/liter or 2.03 #/gal
PART B ONLY: 165 grams/liter or 1.37 #/gal

CATEGORY:
INDUSTRIAL MAINTENANCE COATING

COMMON NAME:
URETHANE COATING

MANUFACTURER:
VEXCON CHEMICALS, INC

ADDRESS:
1240 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:
AUGUST 2000

UPDATED:
SEPTEMBER 2017

PREPARED BY:
DARRY F. MANUEL, PRESIDENT

SECTION II - HAZARD IDENTIFICATION

CLASSIFICATION OF MIXTURE:
FLAMMABLE LIQUID – CATEGORY 4
ACUTE TOXICITY (INHALATION) – CATEGORY 4
ACUTE TOXICITY (DERMAL) – Category 4
SKIN IRRITATION – CATEGORY 2
EYE IRRITATION – CATEGORY 2A
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE (RESPIRATORY
SYSTEM) – CATEGORY 3
SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE (LIVER,
KIDNEY, CENTRAL NERVOUS SYSTEM) – CATEGORY 2
ASPIRATION HAZARD – CATEGORY 1

SINGLE WORD: DANGER

HAZARD STATEMENTS: FLAMMABLE LIQUID
AND VAPOR. MAY BE FATAL IF SWALLOWED
AND ENTER AIRWAYS. HARMFUL IN CONTACT
WITH SKIN OR INHALED. CAUSES SKIN
AND EYE IRRITATION, MAY CAUSE RESPIRATORY
IRRITATION. MAY CAUSE DROWSINESS OR
DIZZINESS. MAY CAUSE DAMAGE TO ORGANS.

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. 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 10%. 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.

SAFETY DATA SHEET
VEXCON NO. CP145
POWERCOAT UV+WB
PIGMENTED PART A

SECTION II HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>MATERIAL OR COMPONENTS</th>
<th>CAS NO.</th>
<th>% HAZARD DATA</th>
<th>UN#</th>
</tr>
</thead>
<tbody>
<tr>
<td>VINYLTOLUENE ACRYLATE POLYMER</td>
<td>25085-34-1</td>
<td>40-60% N/D</td>
<td>1993</td>
</tr>
<tr>
<td>XYLENES</td>
<td>1330-20-7</td>
<td>10-20%</td>
<td>1307</td>
</tr>
<tr>
<td>PERFORMANCE ADDITIVES (EMULSIFIERS, DRIERS, MATTING AGENTS IF MATTE)</td>
<td>N/D</td>
<td>1-10%</td>
<td>NONE</td>
</tr>
<tr>
<td>WATER</td>
<td>N/D</td>
<td>BAL</td>
<td>N/D</td>
</tr>
</tbody>
</table>

PIGMENTS IF COLORED:

1. TITANIUM DIOXIDE (TiO2) | 1363-67-1 | 5-10% | OSHA PEL: 15mg/m3 (total dust) |
| ACGIH TLV: 15mg/m3 (total dust) |

2. CALCIUM CARBONATE | 1317-65-3 | 5-10% | OSHA TWA 5.0 mg/m3 RESP. |
| OSHA TWA 15.0 mg/m3 TOTAL |

3. SILICA | 14808-60-7 | 1-5% | ACGIH TWA: 0.05 mg/m3 RESP. |
| OSHA TWA: 0.1 mg/m3 RESP. |
| OSHA TWA: 0.3 mg/m3 TOTAL |
| OSHA PEL: 5 mg/m3 TOTAL |
| OSHA PEL: 15 mg/m3 TOTAL |

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

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>CAS NO.</th>
<th>HAZARD DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>XYLENES</td>
<td>1330-20-7</td>
<td>TYPICAL</td>
</tr>
<tr>
<td>ETHYL BENZENE</td>
<td>100-41-4</td>
<td>70-80% TYPICAL</td>
</tr>
<tr>
<td>ASAPPLIED: &lt;340 GRAMS/LITER OR &lt;2.82 #/GAL</td>
<td></td>
<td></td>
</tr>
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<td>PART A ONLY: 244 grams/liter or 2.03 #/gal</td>
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<tr>
<td>PART B ONLY: 165 grams/liter or 1.37 #/gal</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:

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 IRITANT.

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 100 ppm 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.

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: MOVEMENT FREE FROM VAPORS. IF BREATHING STOPS, BEGIN ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION.

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

SECTION V FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:

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, SOLDER, 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.

GENERAL HAZARD:

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. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.

SECTION VI ACCIDENTAL RELEASE MEASURES

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 SPILL, 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 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 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 CONTAINER TIGHTLY CLOSED. DO NOT STORE WITH INCOMPATIBLE MATERIALS. STORE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. DO NOT STORE APPAREL, 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 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 NITRILE, 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.
<table>
<thead>
<tr>
<th>SECTION IX PHYSICAL / CHEMICAL CHARACTERISTICS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BOILING POINT:</strong> (760mmHg) 99°C / 210°F</td>
</tr>
<tr>
<td><strong>VAPOR PRESSURE:</strong> 6 mmHg @ 68°F / 20°C (Xylenes)</td>
</tr>
<tr>
<td><strong>SOLUBILITY IN H2O % BY WT:</strong> 50-60%</td>
</tr>
<tr>
<td><strong>EVAPORATION RATE (BuAc=1):</strong> SLOW 0.7 (Xylenes), LESS THAN BuAc</td>
</tr>
<tr>
<td><strong>pH (AS IS):</strong> 8.5</td>
</tr>
<tr>
<td><strong>APPEARANCE AND ODOR:</strong> MILKY LIQUID EMULSION WITH PAINT SOLVENT</td>
</tr>
<tr>
<td><strong>FLAMMABLE LIMITS IN AIR, % BY VOL:</strong> LOWER: 1.0% UPPER: 7.0% (Xylenes)</td>
</tr>
<tr>
<td><strong>AUTOIGNITION TEMP:</strong> 464°C / 867°F (Xylenes)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>SECTION XI TOXICOLOGICAL INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ACUTE TOXICITY - XYLENE</strong></td>
</tr>
<tr>
<td><strong>ACUTE ORAL TOXICITY</strong></td>
</tr>
<tr>
<td>LD50 (RAT MALE): 3,523 mg/kg</td>
</tr>
<tr>
<td>GLP: NO</td>
</tr>
<tr>
<td>LC50 (RAT MALE): 6700 ppm</td>
</tr>
<tr>
<td>METHOD: DIRECTIVE 67/548/EEC, ANNEX V, B.2</td>
</tr>
<tr>
<td><strong>ACUTE INHALATION TOXICITY</strong></td>
</tr>
<tr>
<td>ASSESSMENT: THE COMPONENT/MIXTURE IS MODERATELY TOXIC AFTER SINGLE CONTACT WITH SKIN.</td>
</tr>
<tr>
<td>LD50 (RABBIT): 1,100 mg/kg</td>
</tr>
<tr>
<td><strong>ACUTE DERMAL TOXICITY</strong></td>
</tr>
<tr>
<td>ASSESSMENT: THE COMPONENT/MIXTURE IS MODERATELY TOXIC AFTER SINGLE CONTACT WITH SKIN.</td>
</tr>
<tr>
<td>SPECIES: RABBIT</td>
</tr>
<tr>
<td><strong>SKIN CORROSION/IRRITATION</strong></td>
</tr>
<tr>
<td>EXPOSURE TIME: 24 HOURS</td>
</tr>
<tr>
<td>RESULT: IRRITATING TO SKIN</td>
</tr>
<tr>
<td><strong>SERIOUS EYE DAMAGE/EYE IRRITATION</strong></td>
</tr>
<tr>
<td>SPECIES: RABBIT</td>
</tr>
<tr>
<td>RESULT: IRRITATING TO EYES</td>
</tr>
<tr>
<td><strong>RESPIRATORY OR SKIN SENSITISATION</strong></td>
</tr>
<tr>
<td>REMARKS: NO DATA AVAILABLE</td>
</tr>
<tr>
<td><strong>GERM CELL MUTAGENICITY</strong></td>
</tr>
<tr>
<td>TEST TYPE: CHROMOSOME ABERRATION TEST IN VITRO</td>
</tr>
<tr>
<td>TEST SPECIES: CHINESE HAMSTER OVARY (CHO)</td>
</tr>
<tr>
<td>METABOLIC ACTIVATION (IN VITRO MAMMALIAN CYTOGENETIC TEST)</td>
</tr>
<tr>
<td>RESULT: NEGATIVE</td>
</tr>
<tr>
<td><strong>GENOTOXICITY IN VITRO</strong></td>
</tr>
<tr>
<td>TEST TYPE: SISTER CHROMATID EXCHANGE ASSAY IN MAMMALIAN CELLS</td>
</tr>
<tr>
<td>TEST SPECIES: CHINESE HAMSTER OVARY (CHO)</td>
</tr>
<tr>
<td>METABOLIC ACTIVATION: WITH AND WITHOUT METABOLIC ACTIVATION</td>
</tr>
<tr>
<td>RESULT: NEGATIVE</td>
</tr>
<tr>
<td><strong>GENOTOXICITY IN VIVO</strong></td>
</tr>
<tr>
<td>TEST TYPE: DOMINANT LETHAL ASSAY</td>
</tr>
<tr>
<td><strong>CARCINOGENICITY</strong></td>
</tr>
<tr>
<td>NO CLASSIFIED AS A HUMAN CARCINOGEN.</td>
</tr>
<tr>
<td><strong>CARCINOGENICITY (XYLENE)</strong></td>
</tr>
<tr>
<td>SPECIES: RABBIT</td>
</tr>
<tr>
<td>METHOD: EU METHOS: OECD TEST GUIDELINE 478</td>
</tr>
<tr>
<td>APPLICATION ROUTE: INHALATION</td>
</tr>
<tr>
<td>DOSAGE: 0.50, 1.00, 2.00, 1000 AND 2000 ppm</td>
</tr>
<tr>
<td>EFFECTS ON FERTILITY</td>
</tr>
<tr>
<td>GENERAL TOXICITY – PARENT: NOAEC: &gt;500 ppm</td>
</tr>
<tr>
<td>DEVELOPMENTAL TOXICITY: NOAEC: &gt;500 ppm</td>
</tr>
<tr>
<td>EARLY EMBRYONIC DEVELOPMENT: NOAEC: &gt;500 ppm</td>
</tr>
<tr>
<td>RESULT: NO REPRODUCTIVE EFFECTS</td>
</tr>
<tr>
<td>SPECIES: RAT</td>
</tr>
<tr>
<td>METHOD: DIRECTIVE 67/548/EEC, ANNEX V, B.32</td>
</tr>
<tr>
<td>APPLICATION ROUTE: INHALATION</td>
</tr>
<tr>
<td>DOSAGE: 0, 100, 500, 1000 AND 2000 ppm</td>
</tr>
<tr>
<td>EFFECTS ON FOETAL DEVELOPMENT</td>
</tr>
<tr>
<td>GENERAL TOXICITY: NOAEC: &gt;2,000 ppm</td>
</tr>
<tr>
<td>DEVELOPMENTAL TOXICITY: NOAEC: 100 ppm</td>
</tr>
<tr>
<td>RESULT: NO TERATOGENIC EFFECTS. DEVELOPMENTAL TOXICITY OCCURRED AT MATERNAL TOXICITY DOSE LEVELS.</td>
</tr>
<tr>
<td>REPRODUCTIVE TOXICITY – ASSESSMENT</td>
</tr>
<tr>
<td>ANIMAL TESTING DID NOT SHOW ANY EFFECTS ON FERTILITY. DAMAGE TO FETUS NOT CLASSIFIABLE.</td>
</tr>
<tr>
<td>SPECIES: RAT</td>
</tr>
<tr>
<td>METHOD: DIRECTIVE 67/548/EEC, ANNEX V, B.32</td>
</tr>
<tr>
<td>APPLICATION ROUTE: INHALATION</td>
</tr>
<tr>
<td>DOSAGE: 0, 100, 500, 1000 AND 2000 ppm</td>
</tr>
<tr>
<td>EFFECTS ON FERTILITY</td>
</tr>
<tr>
<td>GENERAL TOXICITY: NOAEC: &gt;2,000 ppm</td>
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</tr>
<tr>
<td>RESULT: NO TERATOGENIC EFFECTS. DEVELOPMENTAL TOXICITY OCCURRED AT MATERNAL TOXICITY DOSE LEVELS.</td>
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<td>SPECIES: RAT</td>
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<tr>
<td>METHOD: DIRECTIVE 67/548/EEC, ANNEX V, B.32</td>
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<tr>
<td>APPLICATION ROUTE: INHALATION</td>
</tr>
<tr>
<td>DOSAGE: 0, 100, 500, 1000 AND 2000 ppm</td>
</tr>
<tr>
<td>EFFECTS ON FOETAL DEVELOPMENT</td>
</tr>
<tr>
<td>GENERAL TOXICITY: NOAEC: &gt;2,000 ppm</td>
</tr>
<tr>
<td>DEVELOPMENTAL TOXICITY: NOAEC: 100 ppm</td>
</tr>
<tr>
<td>RESULT: NO TERATOGENIC EFFECTS. DEVELOPMENTAL TOXICITY OCCURRED AT MATERNAL TOXICITY DOSE LEVELS.</td>
</tr>
<tr>
<td>STOT – SINGLE EXPOSURE</td>
</tr>
<tr>
<td>ASSESSMENT: MAY CAUSE RESPIRATORY IRITATION. THE SUBSTANCE OR MIXTURE IS CLASSIFIED AS SPECIFIC TRAGET ORGAN TOXICITY, SINGLE EXPOSURE CATEGORY 3 WITH RESPIRATORY TRACT IRITATION.</td>
</tr>
<tr>
<td>TARGET ORGAN: KIVER, KIN=DNEY, CENTRAL NERVOUS SYSTEM</td>
</tr>
<tr>
<td>STOT – REPEATED EXPOSURE</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>SPECIES: RAT, MALE AND FEMALE</td>
</tr>
<tr>
<td>NOAEC: 250 mg/kg</td>
</tr>
<tr>
<td>APPLICATION ROUTE: ORAL</td>
</tr>
<tr>
<td>EXPOSURE TIME: 103 WEEKS</td>
</tr>
</tbody>
</table>
SECTION XII ECOLOGICAL INFORMATION

ECOTOXICITY
TOXIC TO FISH
LC50 (ONCORYNCHUS 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

BIOACCUMULATIVE POTENTIAL
LOW POW: 2.77 – 3.15

PARTITION COEFFICIENT: n-octanol/water
NO DATA AVAILABLE

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 1 SUBSTANCES.

REMARKS
THIS PRODUCT DOES NOT CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 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 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>Packin g Group</th>
<th>Quantity Limitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>GROUND (NON BULK)</td>
<td>NON REGULATE D</td>
<td>NON REGULATE D</td>
<td>NON REGULATED</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>IATA</td>
<td>AIR</td>
<td>1866</td>
<td>RESIN SOLUTIONS (XYLENE)</td>
<td>FLAMMABLE . 3</td>
<td>III</td>
<td></td>
</tr>
<tr>
<td>IMDG</td>
<td>OCEAN</td>
<td>1866</td>
<td>RESIN SOLUTIONS (XYLENE)</td>
<td>FLAMMABLE . 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 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 SUPERFUND AMENDMENTS AND RE-AUTHORIZATION ACT, THIS PRODUCT IS CLASSIFIED INTO THE FOLLOWING HAZARD CATEGORIES: DELAYED HEALTH, FIRE

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

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLAMMABILITY</td>
<td>2</td>
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<tr>
<td>REACTIVITY</td>
<td>1</td>
</tr>
</tbody>
</table>

**SAFETY DATA SHEET**

**VEXCON NO. CP145**

**POWERCOAT UV+ WB PIGMENTED PART B**

---

**SECTION I - GENERAL INFORMATION**

**PRODUCT IDENTIFICATION:**
POWERCOAT UV+ WB PIGMENTED PART B

**VOC CONTENT:**
- AS APPLIED: <340 Grams/Liter OR 2.83#/GAL
- Part A Pigmented ONLY: 244 g/L OR 2.03#/GAL
- Part B ONLY: 165 Grams/Liter OR 1.37#/GAL

**CATEGORY:** INDUSTRIAL MAINTENANCE COATING (OTC)

**COMMON NAME:** URETHANE COATING

**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:** FEBRUARY 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/OPEN FLAMES/SHOT 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 DISOCYANATO HOMOPOLYMER</td>
<td>28162-81-2</td>
<td>&lt;40-50%</td>
<td>1 mg/m³ (TWA)</td>
<td>N/A</td>
</tr>
<tr>
<td>ISOPHORONE DISOCYANATE HOMOPOLYMER</td>
<td>53880-05-0</td>
<td>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>ACGIH TLV 150 ppm (TWA)</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.
- BUTYL ACETATE COMPONENT.

**SKIN CONTACT:**
- THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.
- BUTYL ACETATE COMPONENT.

**SKIN ABSORPTION:**
- THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.
- BUTYL ACETATE COMPONENT.

**EYE CONTACT:**
- THIS PRODUCT MAY BE AN EYE IRRITANT.
- BUTYL ACETATE COMPONENT.

**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.

**INGESTION:**
- DO NOT INDUCE VOMITING; SEEK IMMEDIATE MEDICAL ATTENTION.

---

**SECTION V FIREFIGHTING MEASURES**

**PRODUCT IDENTIFICATION:**
POWERCOAT UV+ WB PIGMENTED PART B

**VOC CONTENT:**
- AS APPLIED: <340 Grams/Liter OR 2.83#/GAL
- Part A Pigmented ONLY: 244 g/L OR 2.03#/GAL
- Part B ONLY: 165 Grams/Liter OR 1.37#/GAL

**CATEGORY:** INDUSTRIAL MAINTENANCE COATING (OTC)

**COMMON NAME:** URETHANE COATING

**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:** FEBRUARY 2017

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

**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/OPEN FLAMES/SHOT 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.

**POLYXYTHYLENE TRIOCTYL ETHER PHOSPHATE**
- 9046-01-9
- <1-10%
- YES
- N/A

**CYCLOHEXANAMINE, N,N-DIMETHYL**
- 98-94-2
- 2-5%
- YES
- N/A

**HEXANE, 1,6 DISOCYANATO**
- 822-06-0
- <1%
- NIOSH REL 0.005 ppm (TWA)
- 2281

**ISOCHORONE DISOCYANATE**
- 4098-71-9
- <1%
- NIOSH REL 0.005 ppm (TWA)
- 2290

---

**OUTCOME 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.

**INGESTION:**
- DO NOT INDUCE VOMITING; SEEK IMMEDIATE MEDICAL ATTENTION.
EXTINGUISHING MEDIA:

EXCLUDE AIR. FIRES INVOLVING THIS PRODUCT MAY BE CONTROLLED BY REGULAR FOAM, CARBON DIOXIDE, OR DRY CHEMICALS. WATER MAY BE USED TO REDUCE THE RATE OF BURNING AND FOR COOLING PURPOSES. AVOID SPRAYING WATER DIRECTLY INTO STORAGE CONTAINERS DUE TO Danger OF BOIL OVER.

GENERAL HAZARD:

USE PROPER GROUNDING.

ELECTRO-STATIC ACCUMULATION HAZARD:

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.

SPECIAL FIRE FIGHTING PROCEDURES

STORAGE CONTAINERS EXPOSED TO FIRE SHOULD BE COOL WITH WATER SPRAY IN ORDER TO PREVENT PRESSURE BUILD UP. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.

SECTION IX PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: (760mmHg) 126 C / 259 F

VAPOR PRESSURE: 15 mmHg@68°F/25°C (N-BUTYL ACETATE)

SOLUBILITY IN H2O % BY WT: 15%

EVAPORATION RATE (BuAc=1): SLOW 1.0 (N-BUTYL ACETATE)

VAPOR DENSITY (AIR=1): 1.09

SPECIFIC GRAVITY (H2O=1): 1.0

SECTION X STABILITY AND REACTIVITY

THIS PRODUCT IS STABLE.

CONDITIONS CONTRIBUTING TO INSTABILITY:

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 BODY AREAS WITH WATER. CLOTHING MUST BE WASHED AND DRIED BEFORE USE. CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN LEFT REPOURED. 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, 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 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 XI TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ORAL LD50-ORAL –
### Section XII Ecological Information

<table>
<thead>
<tr>
<th>Substance</th>
<th>Toxicity to Fish</th>
<th>Toxicity to Daphnia and Other Aquatic Invertebrates</th>
<th>Persistence and Degradability</th>
<th>Bioaccumulative Potential</th>
<th>Mobility in Soil</th>
<th>PBT and vPvB Assessment</th>
<th>Other Adverse Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LC50 = Oncorhynchus mykiss (Rainbow Trout) – 5.2 mg/l – 96 HR</td>
<td>EC50 – Daphnia Magna (Water Flea) – 8.2 mg/l – 48 HR</td>
<td>No Data Available</td>
<td>No Data Available</td>
<td>No Data Available</td>
<td>No Data Available</td>
<td>An Environmental Hazard Cannot Be Excluded in the Event of Euphophessional Handling or Disposal.</td>
</tr>
</tbody>
</table>

#### Toxicity

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation LC50</td>
<td>Rat – 4H – 2730 ppm</td>
</tr>
<tr>
<td>Inhalation LC50</td>
<td>Rabbit – 1.796 mg/kg</td>
</tr>
</tbody>
</table>

#### Reproductive Toxicity

- **Reproductive Toxicity – Rat Inhalation**
  - MATERNAL EFFECTS: OTHER EFFECTS: EFFECTS ON FERTILITY: POST-IMPLANTATION ORTALITY (E.G. DEAD AND/OR RESORVED IMPLANTS PER TOTAL NUMBER OF IMPLANTS)
  - EFFECTS ON FERTILITY: POST IMPLANTATION MORALITY (E.G. DEAD AND/OR RESORVED IMPLANTS PER TOTAL NUMBER OF IMPLANTS)

#### Carcinogenicity

- **IARC Group 3, NOT CLASSIFIABLE AS TO IS CARCINOGENICITY TO HUMANS (Butyl Acetate)**
  - NTP: NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP.
  - OSHA: NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA.

#### Teratogenicity

- **No Data Available**

#### Specific Target Organ Toxicity – Single Exposure

- **Specific Target Organ Toxicity – Repeated Exposure**

#### Aspiration Hazard

- **No Data Available**

#### Potential Health Effects

- **Inhalation**
  - MAY BE HARMFUL IF INHALED, CAUSES RESPIRATORY TRACT IRRITATION.
  - HARMFUL IF SWALLOWED.
  - DARFUL IF ABSORBED THROUGH SKIN, CAUSES SKIN IRRITATION.
  - CAUSES EYE IRRITATION.
  - TO THE BEST OF OUR KNOWLEDGE THE CHEMICAL, PHYSICAL AND TOXICOLOGICAL PROPERTIES HAVENOT BEEN THOROUGHLY INVESTIGATED. COUGH SHORTNESS OF BREATH, HEADACHE, NAUSEA, VOMITING.

#### Synergistic Effects

- **No Data Available**

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**Section XIII Disposal Considerations**

- **Aquat Chronic 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 under the resources conservation and recovery act (RCRA, 40 CFR 261). Typically controlled burning, incineration or approved land fills 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>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>Ground</td>
<td>1866</td>
<td>Resin Solution</td>
<td>3</td>
<td>III</td>
<td>ORMID – Max 30Kg gross wt (66lbs)</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 – 50L, 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>

**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)
  - Marine Pollutants: No, 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. (Epichlorhydrin, 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

<table>
<thead>
<tr>
<th>PREPARED BY</th>
<th>DAANIL MANUEL / PRESIDENT</th>
</tr>
</thead>
<tbody>
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<td>COMPANY</td>
<td>VEXCON CHEMICALS, INC.</td>
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<tr>
<td>ADDRESS</td>
<td>7240 STATE RD., PHILA., PA 19135 USA</td>
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</tbody>
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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 Association (NPCA)
- Hazardous Materials Identification System (HMIS)
- National Fire Protection Association (NFPA 704)

**NPCA-HMIS**

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>REACTIVITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>NFPA 704</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

**Key**

- 4 -- Severe
- 3 -- Serious
- 2 -- Moderate
- 1 -- Slight
- 0 -- Minimal