SAFETY DATA SHEET
VEXCON NO. CP142
POWERCOAT ULTRATOP PART A

SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:
POWERCOAT ULTRA TOP PART A

VOC CONTENT:
<300 GRAMS/LITR OR <2.50 #/GAL (AS APPLIED)
PART A: <350 G/L OR <2.92 #/GAL
PART B: <125 G/L OR <1.04 #/GAL

CATEGORY:
INDUSTRIAL MAINTENANCE COATING

COMMON NAME:
URETHANE COATING

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:
DECEMBER 2006

UPDATED:
DECEMBER 2017

PREPARED BY:
DARRY F. MANUEL, PRESIDENT

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SECTION II HAZARDOUS INGREDIENTS

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 FROM HEAT/SPARKS/OPEN 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>
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</thead>
<tbody>
<tr>
<td>STYRENE ACRYLATE POLYMER</td>
<td>25036-16-2</td>
<td>50-70%</td>
<td>ND</td>
<td>N/A</td>
</tr>
<tr>
<td>XYLENE</td>
<td>1330-20-7</td>
<td>10-30%</td>
<td>OSHA Z1 100ppm (TWA) ACGIH TLV 100ppm (TWA) NIOSH REL 100 ppm (TWA)</td>
<td>1307</td>
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</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 50 ppm AROMATIC SOLVENT, TERTIARY BUTYL ACETATE, PROPYL CELLOSOLVE, AND DIBK COMPONENTS. ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS. LIQUIDS MODERATELY IRRITATING ON SKIN AND EYES.

ACUTE OVEREXPOSURE:
ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS. MODERATE IRRIGATION 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.

INGESTION: DO NOT INDuce VOMITING; SEEK IMMEDIATE MEDICAL ATTENTION.

SECTION V FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:

FLAMMABLE 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 (VAPOR, LIQUID, AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDIER, 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 TIGHTLY CLOSED, THEN, IF POSSIBLE, STORE IN A WELL VENTILATED AREA, EQUIVALENT TO FRESH AIR. KEEP CONTAINER AND USE PROPER GROUNDING.

GENERAL HAZARD:

USE PROPER GROUNDING.

UNUSUAL FIRE AND EXPLOSION HAZARD:

IF STORAGE CONTAINERS ARE EXPOSED TO EXCESSIVE HEAT, OVERPRESSURIZATION 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.

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. 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 IX PHYSICAL / CHEMICAL CHARACTERISTICS

APPEARANCE AND ODOR:
CLEAR LIQUID WITH PAINT SOLVENT APPEARANCE AND ODOR.

PH (AS IS):
N/A

SPECIFIC GRAVITY (H2O=1):
0.96

SPECIFIC GRAVITY (AIR=1):
PH(1% SOLN.):
N/A

INSOLUBLE:
40-60%

SOLUBILITY IN H2O % BY WT:
5% VOLATILES BY VOL:

EVAPORATION RATE:
BuAc=1:
2.5 MEDIUM (TBAc)

VAPOR PRESSURE:
41.5 mmHg@69°F/22°C (TBAc)

SOLUBILITY IN H2O % BY WT:

INSOLUBLE:

FlAMMABLE LIMITS IN AIR, % BY VOL:
41°C / 106°F (TCC)

FLASH POINT:

TEST METHOD:
AUTOIGNITION TEMP:
517°C / 964°F (TBAc)

BOILING POINT:
(760mmHg)
98 C / 208 F (TBAc)

MELTING/FREEZING POINT:
−82 C / 79 F (TBAc)

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 SULFURATED APPAREL AND FLUSH AFFECTED BODY AREAS WITH WATER. CLOTHING MUST BE WASHED AND DRIED BEFORE REUSE. CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPYITED 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 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 PRECAUTIONS ARE INADEQUATE, THEN SUPPLEMENTAL LOCAL EXHAUST MAY BE REQUIRED. OTHER SPECIFIC 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. THE USE OF RESPIRATORY PROTECTION DEPENDS ON VAPOR CONCENTRATION. THE USE OF RESPIRATORY PROTECTION DEPENDS ON VAPOR CONCENTRATION. THE USE OF RESPIRATORY PROTECTION DEPENDS ON VAPOR CONCENTRATION.

EYES:
CHEMICAL GOGGLES AND/OR FACE SHIELD ARE RECOMMENDED TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT. RUBBING OR PROPERLY DISPOSED OF.

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 VI ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
ELIMINATE SOURCES OF IGNITION (FLAMES, 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. DOKE DISSIPATE FLUCCIATION AREAS WITH SAND OR EARTIHE 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 ANOTHER SUITABLE ABSORBENT MATERIAL AND SHOVELLED IMITIONTI CONTAINERS. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO EPA, FEDERAL, STATE, AND LOCAL DISPOSAL REGULATIONS.
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>ACUTE TOXICITY</th>
<th>LC50 (VAPOR)</th>
<th>LD50 (ORAL)</th>
<th>LD50</th>
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<tbody>
<tr>
<td>RAT</td>
<td>4211 ppm</td>
<td>4500 MG/KG BWT</td>
<td>&gt;=2000 G/KG BWT</td>
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INHALATION

VAPORS OR AEROSOL MAY CAUSE IRRITATION OF THE EYES, NOSE AND THROAT, AS WELL AS CNS DEPRESSION (FATIGUE, DIZZINESS, LOSS OF CONCENTRATION, WITH COLLAPSE, COMA AND DEATH POSSIBLE IN CASES OF SEVERE OVER EXPOSURE). INHALATION OF AIRBORNE DROPLETS MAY CAUSE IRRITATIONS OF THE RESPIRATORY TRACT.

INGESTION

MAY CAUSE CNS DEPRESSION, GASTRIC DISCOMFORT, AND VOMITING. THIS MATERIAL IS AN ASPIRATION HAZARD.

SKIN CONTACT

NO SYSTEMIC TOXICITY IS EXPECTED FROM ACUTE DERMAL EXPOSURE.

IRRITATION

SKIN NOT A SKIN IRRITANT

EYES NO EYE IRRITATION

SENSITIZATION

DOES NOT INDUCE SKIN SENSITIZATION.

REPEATED DOES TOXICITY

INHALATION REPEATED EXPOSURE STUDIES DEMONSTRATED TARGET ORGAN EFFECTS IN MALE RATS (KINDEY) BY MECHANISM OF ACTION THAT IS NOT RELEVANT TO HUMANS IN MICE (NERVOUS SYSTEM) TRANSIENT BEHAVIOR CHANGES THAT WERE OBSERVED IMMEDIATELY AFTER EXPOSURE.

REPRODUCTIVE EFFECTS

THIS SUBSTANCE IS NOT TOXIC TO REPRODUCTION. THE REPRODUCTIVE TOXICITY OF T-BUTYL ACETATE HAS BEEN INVESTIGATED IN RATS VIA A INHALATION ROUTE. THERE WERE NO ADVERSE EFFECTS ON REPRODUCTIVE PERFORMANCE OR SPERM NUMBER OR UALITY AT 1600 ppm, THE HIGHEST EXPOSURE LEVEL TESTED. IN ADDITION, NO GROSS OR HISTOPATHOLOGIC EFFECTS WERE OBSERVED IN THE REPRODUCTIVE ORGANS OF MALE AND FEMALE RATS OR MICE EXPOSED AT 1600 ppm FOR 90 DAYS IN A REPEATED EXPOSURE TOXICITY STUDY CONDUCTED VIA INHALATION AND THERE WAS NO ADVERSE EFFECTS ON ESTROUS CYCLE LENGTH IN MICE.

DEVELOPMENTAL TOXICITY

THIS SUBSTANCE IS NOT A DEVELOPMENTAL TOXICANT. IT DID NOT CAUSE MATERNAL TOXICITY AND NO EMBRYOFETAL TOXICITY OR DEVELOPMENTAL ABNORMALITIES WERE OBSERVED IN THE OFF SPRING OF ANIMALS FOLLOWING INHALATION EXPOSURES OF 1600 ppm.

GENETIC TOXICITY

NEGATIVE FOR GENOTOXICITY USING BOTH IN VITRO AND IN VIVO TEST.

GARCINOGENICITY

SPECIFIC DATA NOT AVAILABLE. T-BUTANOL, THE PRIMARY METABOLITE OF T-BUTYL ACETATE IS AN ANIMAL CARCINOGEN. IN DRINKING WATER STUDY, T-BUTANOL INDUCED BENGIGN KIDNEY TUMORS IN MALE RATS VIA AN α-2u-GLOBULIN MODE OF ACTION. A TUMOR MECHANISM NOT RELEVANT TO HUMANS. IN FEMALE MICE, THERE WAS AN INCREASE INCIDENCE OF BENGIGN THYROID TUMORS, A TUMOR MECHANISM THAT MOST LIKELY IS NOT RELEVANT TO HUMANS. THIS SUBSTANCE IS NOT CLASSIFIED FOR CARCINOGENICITY BY IARC, OSHA, NTP OR THE EPA.

SECTION XII ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>ACUTE FISH TOXICITY</th>
<th>LC50/96 HOURS</th>
<th>ONCORHYNCHUS MYKISS 240 mg/l</th>
<th>ACUTE TOXICITY TO FISH IS LOW</th>
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<tbody>
<tr>
<td>EC50/48 HOURS</td>
<td>DAPHNIA MAGNE 350 mg/l</td>
<td>LOW ACUTE TOXICITY TO AQUATIC INVERTEBRATES</td>
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<tr>
<td>EC50/96 HOURS</td>
<td>PSEUDOKINORHynchia LLAVA SCAPET A60 mg/l</td>
<td>LOW TOXICITY TO ALGAE</td>
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<tr>
<td>EC3/16 HOURS</td>
<td>PSEUDONAS PUTIDA 78 mg/l</td>
<td>LOW TOXICITY TO BACTERIA</td>
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<tr>
<td>EC3/72 HOURS</td>
<td>ENTOSPHIN SULCATUM 970 mg/l</td>
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</table>

ECOTOXICITY

TOXICITY TO MICROORGANISMS

EC/50/96 HOURS

OTHER ADVERSE EFFECTS

EXPECTED TO SHOW LOW TOXICITY TO HIGHER PLANTS

EXPECTED TO BE EMMITTED AND PARTITION PREDOMINANTLY TO THE ATMOSPHERE. ACCIDENTAL RELEASES TO WATER OR SOIL ARE EXPECTED TO BE EMMITTED AND UNDERGO ATMOSPHERIC DECOMPOSITION PROCESSES.

MOBILITY

BEHAVIOR IN ENVIRONMENTAL COMPARTMENTS; RELEASED MATERIAL WOULD BE EXPECTED TO SHOW HIGH SOIL MOBILITY AND TO VOLATILIZE READILY FORM SOIL NAD SURFACE WATERS, FORMING ATMOSPHERIC VAPOR.

BIODEGRADATION: EXPECTED TO BE PHOTOCHEMICALLY DEGRADED BY REACTION WITH HYDROXYL RADICALS (HALS LIKE 19.7 DAYS). INHERENTLY BIODEGRADABLE.

ENVIRONMENTAL FATE AND PATHWAYS

PERSISTENCE AND DEGRADABILITY

BIODISTRIBUTION: BIODECONCENTRATION FACTOR (BCF) 5.61 (QSAR CALCULATED VALUE) THIS MATERIAL IS NOT EXPECTED TO BIOACCUMULATE.

OTHER ADVERSE EFFECTS

THIS MATERIAL IS NOT CONSIDERED PERSISTENT BY EPA, AND IS NOT EXPECTED TO CONTRIBUTE TO THE GREENHOUSE GAS EFFECT, STRATOSPHERIC OZONE DEPLETION, TROPOSPHERIC OZONE FORMATION, OR PARTICULATE MATTER FORMATION.
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>
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<tr>
<th>Governing Body</th>
<th>Mode</th>
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<th>Proper Shipping Name</th>
<th>Hazard Class</th>
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<th>Quantity Limitation</th>
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<tr>
<td>DOT</td>
<td>GROUND</td>
<td>1866</td>
<td>RESIN SOLUTION</td>
<td>III</td>
<td>ORMID – Max 30Kg gross wt (66lbs)</td>
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<tr>
<td>IATA</td>
<td>AIR</td>
<td>1866</td>
<td>RESIN SOLUTION</td>
<td>III</td>
<td>Passengers Aircraft - 5L, Cargo Aircraft - 60L</td>
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<tr>
<td>IMDG</td>
<td>OCEAN</td>
<td>1866</td>
<td>RESIN SOLUTION</td>
<td>III</td>
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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 NUMBERS 64742-95-6 (AROMATIC 100) AND 1330-20-7 (XYLENES) AND 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 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.

ADDITIONAL REGULATORY CONCERNS: [FEDERAL, FDA, USDA, CPSC, STATE, OTHER].

FEDERAL / FDA / USDA:

MARINE POLLUTANTS: THIS PRODUCT DOES CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 172.101 Appendix B). AROMATIC 100

THIS PRODUCT CONTAINS MATERIALS ON THE RQ TABLE (HMT 172.101 Appendix A): BUTYL ACETATE, XYLENES, MIXED.

CERCLA / RQ: 100 POUNDS (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:

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<td>FLAMMABILITY</td>
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KEY

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<tr>
<td>4</td>
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POWERCOAT ULTRATOP PART A CLEAR
Hazard Rating:
4=Extreme
3=High
2=Moderate
1=Slight
0=Insignificant

Health
2
Flammability
3
Reactivity
1

SAFETY DATA SHEET
VEXCON NO. CP142
POWERCOAT ULTRATOP PART B

SECTION I - GENERAL INFORMATION

Product Identification:
POWERCOAT ULTRATOP PART B

VOC Content: <300 grams/liter or <2.50#/gal. (as applied)

Part A only: <350 g/L or <2.92#/gal.
Part B only: <125 g/L or 1.04#/gal.

Category: Industrial Maintenance Coating (OTC 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 (CHEMTREC)
Prepared: December 2006
Updated: November 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

Health Hazard Data:

Acute Overexposure:
Anesthesia, Headache, Nausea, Dizziness

Odor:
Highly Flammable Liquid and Vapor, Harmful if Inhaled, May Cause Respiratory Irritation

Precautionary Statement:
Flammable Liquid: Keep away from heat/sparks/open 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

Material or Components
CAS No.
% Hazard Data
UN#

Hexane, 1,6 Bisocyanato-, Homopolymer
28182-81-2 85-95%
ACGIH TLV 0.005 ppm N/A

Butyl Acetate
123-86-4 1-5%
OSHA Hazard: Flammable Liquid
ACGIH TLV: 150 ppm

Solvent
Naphtha
(Petroleum), Light Aromatic
64742-95-6 1-5%
OSHA Hazard: Combustible Liquid
ACGIH TLV: 150 ppm

Hexamethylene Disocyanate
822-06-0 <0.2 NIOSH REL 0.005 ppm TWA 2281

Perforation Additives, Var
N/A 1-5% N/A N/A

The aromatic solvent portion contains the following Section 313 reportable ingredients:

Component
CAS No.
% Hazard Data
UN#

1,2,4-Trimethyl Benzene (Pseudocumene)
95-63-6 <32.0% OSHA Pel: NE ACGIH TLV: 25 ppm (TWA) 1993

Xylenes
1330-20-7 <2.2% OSHA Z1 100 ppm (TWA) ACGIH TLV 100 ppm (TWA) NIOSH REL 100 ppm (TWA) 1307

Cumene
98-82-8 <1.1% OSHA Z1 50 ppm (TWA) ACGIH TLV 50 ppm (TWA) 1918

SECTION IV FIRST AID MEASURES

Routes of Exposure:

Inhalation:
This product may create breathing difficulties, dizziness, light-headedness 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 50 ppm Aromatic Solvent, Tertiary Butyl Acetate, Propyl Cellosolve, and DBK Components.
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 CEASES, BEGIN ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION.

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

SECTION V FIREFIGHTING MEASURES

**EXTINGUISHING MEDIA:**
This product reacts with water. 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:**
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 PREPENE, CUT, WELD, BRAZE, SOLD, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE BURY OR DEATH. DEBRIS DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF.

**ELECTRO-STATIC ACCUMULATION HAZARD:**
USE PROPER GROUNDING

**UNUSUAL FIRE AND EXPLOSION 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. 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

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**
ELIMINATE SOURCES OF IGNITION (AREAS, 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 SHOVELLED INTO CONTAINERS. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO EPA, FEDERAL, STATE, AND LOCAL DISPOSAL REGULATIONS. THIS PRODUCT REACTS WITH WATER. WATER SPILL, THIS PRODUCT REACTS WITH WATER. 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 LOCAL DISPOSAL REGULATIONS.

**SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE AND SPILL CONTROL**

**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:**
THIS PRODUCT REACTS WITH WATER. 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 VIII EXPOSURE CONTROLS / PERSONAL PROTECTION**

**VENTILATION REQUIREMENTS:**
LOCAL MECHANICAL VENTILATION MAY BE SUFFICIENT TO KEEP PRODUCT VAPOR CONCENTRATIONS WITHIN SPACING 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. CARTRIDGE RESPIRATOR: HALF MASK ORGANIC VAPOR CARTRIDGE. FULL FACED 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 CLOTHINGAND 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 SPECIAL PRECAUTIONS**

**BOILING POINT:** (760mmHg)
145°C / 293°F

**MELTING/FREEZING POINT:**
-77°C / -107°F (Butyl Acetate)

**VAPOR PRESSURE:**
15 mmHg@25°C / 77°F (BuAc)

**VAPOR DENSITY (AIR=1):**
4.0 (BuAc)

**SOLUBILITY IN H2O % BY WT:**
% VOLATILES BY VOL:
10-30%

**EVAPORATION RATE:**
(BuAc=1)
1.1 BUTYL ACETATE

**SPECIFIC GRAVITY (H2O=1):**
1.12

**pH (AS IS):**
N/A

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

**APPEARANCE AND ODOR:**
CLEAR TO YELLOWISH LIQUID WITH AROMATIC OR SLIGHTLY SWEET SOLVENT ODOR

Page 6 of 8
**SECTION I STABILITY AND REACTIVITY**

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

**SECTION XI TOXICOLOGICAL INFORMATION**

<table>
<thead>
<tr>
<th>Acute Toxicity</th>
<th>LC50 (VAPOR)</th>
<th>LC50 (ORAL)</th>
<th>LD50 (RABBIT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rat</td>
<td>4211 ppm</td>
<td>4500 mg/kg BWT</td>
<td>&gt;2000 mg/kg BWT</td>
</tr>
</tbody>
</table>

**Acute Effects**

- **Inhalation:** Vapors or aerosol may cause irritation of the eyes, nose and throat as well as CNS depression (fatigue, dizziness, loss of concentration, with collapse, coma and death possible in cases of severe over exposure), inhalation of airborne droplets may cause irritations of the respiratory tract.
- **Ingestion:** May cause CNS depression, gastric discomfort, and vomiting. This material is an aspiration hazard.
- **Skin Contact:** No systemic toxicity is expected from acute dermal exposure.
- **Irritation:** Skin not a skin irritant.
- **Sensitization:** Does not induce skin sensitization.

**Repeatead Does Toxicity**

- **Inhalation Repeated Exposure Studies:** Demonstrated target organ effects in male rats (Kindey) by mechanism of action that is not relevant to humans in mice (Nervous System) transient behavior changes that were observed immediately after exposure.

**Reproductive Effects**

This substance is not toxic to reproduction. The reproductive toxicity of T-Butyl Acetate has been investigated in rats via a inhalation route. There were no adverse effects on reproductive performance or sperm number or uality at 1600 ppm, the highest exposure level tested. In addition, no gross or histopathologic effects were observed in the reproductive organs of male and female rats or mice exposed at 1600 ppm for 90 days in a repeated exposure toxicity study conducted via inhalation and there was no adverse effects on estrous cycle length in mice.

**Developmental Toxicity**

This substance is not a developmental toxicant. It did not cause maternal toxicity and no embryo/fetal toxicity or developmenta abnormalities were observed in the off Spring of animals following inhalation exposures of 1600 ppm.

**Genetic Toxicity**

Negative for genotoxicity using both in vitro and in vivo tests.

**SECTION XII ECOLOGICAL INFORMATION**

<table>
<thead>
<tr>
<th>Acute Fish Toxicity</th>
<th>LC50/96 Hours</th>
<th>Oncorhynchus Mykiss 240 mg/l</th>
<th>Acute Toxicity to Fish is Low</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity to Aquatic Invertebrates</td>
<td>EC50/48 Hours</td>
<td>Daphnia Magna 350 mg/l</td>
<td>Low Acute Toxicity to Aquatic Invertebrates</td>
</tr>
</tbody>
</table>

**Ecotoxicity**

<table>
<thead>
<tr>
<th>Toxicity to Microorganisms</th>
<th>EC3/16 Hours</th>
<th>Pseudomonas As Putida 78 mg/l</th>
<th>Low Toxicity to Bacteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity to Aquatic Plants</td>
<td>EC3/72 Hours</td>
<td>Entosiphon Sulcatum 970 mg/l</td>
<td>Expected to show low toxicity to higher plants</td>
</tr>
</tbody>
</table>

**Expected to be emitted and partition predominately to the atmosphere.**

**Environmental Fate and Pathways**

- **Biodegradation:** Expected to hydrolyze slowly in water (half-life CA 0.5 years or longer), atmospheric vapors expected to be photochemically degraded by reaction with hydroxyl radicals (half life 19.7 days), inherently biodegradable.

**Persistence and Degradability**

- **Bioaccumulation:** Biocaccumulation factor (BCF) 5.61 (QSAR Calculated Value), this material is not expected to Bioaccumulate.

- **Bioconcentration Factor (BCF):**

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**Garcinogenicity**

Specific data not available. T-Butanol, the primary metabolite of T-Butyl Acetate is an animal carcinogen. In drinking water study, T-Butanol induced benign kidney tumors in male rats via an a2u-globulin mode of action. A tumor mechanism not relevant to humans. In female mice, there was an increase incidence of benign thyroid tumors, a tumor mechanism that most likely is not relevant to human. This substance is not classified for carcinogenicity by IARC, OSHA, NTP or the EPA.
SECTION XIII DISPOSAL CONSIDERATIONS

AQUATIC TOXICITY (E.G. 96 HR. TLM): THIS PRODUCT REACTS WITH WATER. 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>Packing Group</th>
<th>Quantity Limitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT GROUND</td>
<td></td>
<td>1866</td>
<td>RESIN SOLUTION</td>
<td>3</td>
<td>II</td>
<td>ORM – Max 30Kg gross wt (66lbs)</td>
</tr>
<tr>
<td>IATA AIR</td>
<td></td>
<td>1866</td>
<td>RESIN SOLUTION</td>
<td>3</td>
<td>II</td>
<td>Passengers/ Aircraft - 5L</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Cargo Aircraft - 60L</td>
</tr>
<tr>
<td>IMDG OCEAN</td>
<td></td>
<td>1866</td>
<td>RESIN SOLUTION</td>
<td>3</td>
<td>II</td>
<td>THIS PRODUCT DOES CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 172.101 APPENDIX B) AROMATIC 100</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 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.

THE REPORTABLE SPILL QUANTITY (RQ) OF THIS PRODUCT IS 5,000 POUNDS (BUTYL ACETATE).

SARA TITLE III: UNDER THE PROVISIONS OF TITLE III, SECTIONS 313/312 OF THE SUPERFUND AMENDMENTS AND RE-AUTHORIZATION ACT, THIS PRODUCT IS CLASSIFIED INTO THE FOLLOWING HAZARD CATEGORIES: DELAYED HEALTH, FIRE.

IF THIS PRODUCT BECOMES A WATER MATERIAL, IT WOULD BE AN IGNITABLE HAZARDOUS WASTE, HAZARDOUS WASTE NUMBER D001. REFER TO LATEST EPA OR STATE REGULATIONS REGARDING PROPER DISPOSAL.

ADDITIONAL REGULATORY CONCERNS: (FEDERAL, FDA, USDA, CPSC, STATE, OTHER)

FEDERAL / FDA / USDA:

MARINE POLLUTANTS: THIS PRODUCT DOES CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 172.101 APPENDIX B). SEE SECTION XIV

THIS PRODUCT CONTAINS A MATERIAL ON THE RQ TABLE (HMT 172.101 Appendix A): BUTYL ACETATE

CERCLA / RQ: 5000 POUNDS (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
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 (NPCA) HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 704) IDENTIFICATION OF FIRE HAZARDS OF MATERIALS

<table>
<thead>
<tr>
<th>POWERCOAT</th>
<th>ULTRATOP PART B</th>
<th>NPCA/HMIS</th>
<th>NFPA 704</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td></td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td></td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>REACTIVITY</td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

KEY

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

HMIS HAZARD RATING CHART:

HEALTH: 2
FLAMMABILITY: 3
REACTIVITY: 1

NPCA-HMIS: 3
NFPA 704: 2