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

| HEALTH | 1 |
| FLAMMABILITY | 3 |
| REACTIVITY | 0 |

SAFETY DATA SHEET
VEXCON NO. CP108
POWERCOAT UV+ HD PART A CLEAR

SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:
POWERCOAT UV+ HD PART A CLEAR

VOC CONTENT: AS APPLIED: <340 GRAMS/LITERS OR <2.83 #/GAL
PART A ONLY: <350 GRAMS/LITER OR <3.13 #/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: JULY 2017
PREPARED BY: DARRY 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/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 |
<table>
<thead>
<tr>
<th>CAS NO.</th>
<th>%</th>
<th>HAZARD DATA</th>
<th>UN#</th>
</tr>
</thead>
<tbody>
<tr>
<td>STYRENE ACRYLATE POLYMER</td>
<td>25036-16-2</td>
<td>50-60%</td>
<td>N/A</td>
</tr>
<tr>
<td>TERTIARY BUTYL ACETATE</td>
<td>540-88-5</td>
<td>5-10%</td>
<td>OSHA HAZARD: FLAMMABLE LIQUID OSHA PEL: 200 ppm ACGIH TLV: 200 ppm</td>
</tr>
<tr>
<td>ETHYLENE GLYCOL MONOPROPYL ETHER</td>
<td>002807-30-9</td>
<td>1-5%</td>
<td>OSHA HAZARD: COMBUSTIBLE TLV 100 ppm</td>
</tr>
<tr>
<td>SOLVENT NAPHTHA (Petroleum), LIGHT AROMATIC</td>
<td>64742-95-6</td>
<td>1-5%</td>
<td>TLV 50ppm OSHA HAZARD: COMBUSTIBLE LIQUID</td>
</tr>
<tr>
<td>2,6 DIMETHYL-4-HEPTANONE</td>
<td>108-83-8</td>
<td>&lt;1%</td>
<td>ACGIH TLV: 25 ppm (TWA) OSHA PEL: 50 ppm, 290 mg/m3 (TWA) NIOSH REL: 25 ppm, 150 mg/m3 (TWA)</td>
</tr>
</tbody>
</table>

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

COMPONENT |
<table>
<thead>
<tr>
<th>CAS NO.</th>
<th>MAX %</th>
<th>HAZARD DATA</th>
<th>UN#</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,4-TRIMETHYL BENZENE (PSEUDOCUMENE)</td>
<td>95-63-6</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>

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 CELLLOSOLVE, AND DIBK COMPONENTS ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS. LIQUIDS MODERATELY IRRITATING ON SKIN AND EYES.
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

PROCEDURES

FIGHTING SPECIAL FIRE HAZARD:

HAZARD:

AND EXPLOSION

UNUSUAL FIRE HAZARD:

ACCUMULATION

STATIC

ELECTRO-

GENERAL

MEDIA:

INGESTION:

INHALATION:

SKIN:

EMERGENCY AND FIRST AID PROCEDURES:

OVEREXPOSURE:

ACUTE TO DO SO WITHOUT HAZARD. FOR SMALL SPILLS, IMPLEMENT CLEANUP SOURCES OF IGNITION (FLARES, FLAMES, PILOT LIGHTS, ELECTRICAL SPARKS). PREVENT ADDITIONAL DISCHARGE OF MATERIAL. IF POSSIBLE TO DO SO WITHOUT HAZARD. FOR SMALL SPLILLS, IMPLEMENT CLEANUP PROCEDURES. FOR LARGE SPILLS, IMPLEMENT CLEAN UP PROCEDURES AND IF IN PUBLIC AREA, KEEP PUBLIC AWAY AND ADVISE AUTHORITIES. DRAIN SPILL AREA WHERE PRODUCT RESIDUE (VAPOR, LIQUID AND SOLID). ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET MUST BE OBSERVED.

Sections

SECTION V FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:

PLASMA LIQUID - CAN FORM COMBUSTIBLE MIXTURES OR TEMPERATURES AT OR ABOVE THE ADHESIVE, HEADACHE, NAUSEA, DIZZINESS; MODERATE IRRITATION BY LIQUID TO SKIN AND EYES. PROLONGED CONTACT ON THE SKIN WILL CLAY AND DEFEAT THE SKIN POSSIBLY CAUSING DEERMATITIS.

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 IN 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 INVOKE VOMITING; SEEK IMMEDIATE MEDICAL ATTENTION.

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 SPLILLS, IMPLEMENT CLEANUP PROCEDURES. FOR LARGE SPILLS, IMPLEMENT CLEAN UP PROCEDURES AND IF IN PUBLIC AREA, KEEP PUBLIC AWAY AND ADVISE AUTHORITIES. DRAIN SPILL AREA WHERE PRODUCT RESIDUE (VAPOR, LIQUID AND SOLID). ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET MUST BE OBSERVED.

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 SOLID). ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET MUST BE OBSERVED.

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 PROTECTION DEPEND ON VAPOR CONCENTRATION ABOVE THE USE OF IMPERMEABLE GLOVES IS ADVISED TO PREVENT PERSONNEL SHOULD AVOID INHALATION OF VAPORS.

SECTION IX PHYSICAL / CHEMICAL CHARACTERISTICS

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

MELTING/FREEZEING POINT: 192°C / 79°F (TBAc)

VAPOUR PRESSURE: VAPOR DENSITY (AIR=1): 4.0 (TBAc)

SOLUBILITY IN H2O % BY WT: % VOLATILES BY VOL: 40-60%

INSOLUBLE

EVAPORATION RATE (BuAc=1): SPECIFIC GRAVITY (H2O=1) 2.8 MEDIUM (TBAc): 0.96

PH (AS IS): N/A pH (1% SOLN): N/A

APPEARANCE AND ODOR: CLEAR LIQUID WITH PAINT SOLVENT ODOR

FLASH POINT: (TEST METHOD) 4°C / 39°F (TCC) (TBAc)

AUTOIGNITION TEMPERATURE: 517°C / 964°F (TBAc)

FLAMMABLE LIMITS IN AIR, % BY VOL: LOWER: 1.2% UPPER: 6.9% (TBAc)

SECTION X STABILITY AND REACTIVITY

CONDITIONS CONTRIBUTING TO | THIS PRODUCT IS STABLE.
SECTION XI TOXICOLOGICAL INFORMATION

**Acute Toxicity**

<table>
<thead>
<tr>
<th>LC50 (Vapor)</th>
<th>LD50 (Oral)</th>
<th>LD50 (Rabbit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4211 ppm</td>
<td>4500 mg/kg</td>
<td>2000 mg/kg</td>
</tr>
</tbody>
</table>

**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 Dose 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 an 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.

**Genetics 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 begign kidney tumors in male rats via an a-2u-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 humand. This substance is not classified for carcinogenicity by IARC, OSHA, NTP or the EPA.

**Ecotoxicity**

- **Toxicity to Aquatic Invertebrates**
  - EC50/48 hours: Daphnia Magna 350 mg/l
- **Toxicity to Aquatic Plants**
  - EC50/96 hours: Pseudokirchneriella subcapitata 60 mg/l
- **Toxicity to Microorganisms**
  - EC3/16 hours: Entosiphon Sulcatus 970 mg/l
- **Behavior**
  - Expected to show low toxicity to higher plants

**Persistence and Degradability**

- **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 (hal's like 19.7 days), inherently biodegradable.
- **Bioaccumulation**: Bioconcentration factor (BCF) 5.61 (QSR 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 XII Ecological Information**

**Acute Fish Toxicity**

- LC50/96 hours: Oncorhynchus Mykiss 240 mg/l
- Acute Toxicity to Fish: Low

**Acute Toxicity to Aquatic Invertebrates**

- EC50/48 hours: Pseudokirchneriella subcapitata 60 mg/l
- Acute Toxicity to Aquatic Invertebrates: Low

**Toxicity to Aquatic Plants**

- EC50/96 hours: Pseudokirchneriella subcapitata 60 mg/l

**Toxicity to Microorganisms**

- EC3/16 hours: Entosiphon Sulcatus 970 mg/l

**Behavior**

- Expected to show low toxicity to higher plants

**Persistence and Degradability**

- **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 (hal's like 19.7 days), inherently biodegradable.
- **Bioaccumulation**: Bioconcentration factor (BCF) 5.61 (QSR 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>
<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 – 60L 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>

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 540-86-5 (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)

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:

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

HEALTH 2
FLAMMABILITY 3
REACTIVITY 0

SAFETY DATA SHEET
VEXCON NO. CP108
POWERCOAT UV+ HD PART B CLEAR

SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:
POWERCOAT UV+ HD PART B CLEAR

VOC CONTENT:
AS APPLIED: <340 GRAMS/LITER OR <2.83 #/GAL
PART B ONLY: <175 GRAMS/LITER OR < 1.94 #/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:
JULY 2017

PREPARED BY;
DARRY 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/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>85-95%</td>
<td>ACGIH TLV 0.005 PPM</td>
<td>N/A</td>
</tr>
<tr>
<td>BUTYL ACETATE</td>
<td>123-86-4</td>
<td>1-5%</td>
<td>OSHA HAZARD: FLAMMABLE LIQUID OSHA PEL: 150 ppm ACGIH TLV: 150 ppm</td>
<td>1123</td>
</tr>
<tr>
<td>SOLVENT NAPHTHA (Petroleum), LIGHT AROMATIC</td>
<td>64742-95-6</td>
<td>1-5%</td>
<td>OSHA HAZARD: COMBUSTIBLE LIQUID TLV 50ppm</td>
<td>1268</td>
</tr>
<tr>
<td>HEXAMETHYLENE DIISOCYANATE</td>
<td>822-06-0</td>
<td>&lt;0.2%</td>
<td>NIOSH REL 0.005 ppm TWA</td>
<td>2281</td>
</tr>
</tbody>
</table>

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>
<th>UN#</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,4-TRIMETHYL BENZENE (PSEUDOCUMENE)</td>
<td>95-63-6</td>
<td>&lt;3.2%</td>
<td>OSHA PEL: NE ACGIH TLV: 25ppm (TWA)</td>
<td>1993</td>
</tr>
<tr>
<td>XYLENES</td>
<td>1330-20-7</td>
<td>&lt;2.2%</td>
<td>OSHA ZI 100ppm (TWA) ACGIH TLV 100ppm (TWA) NIOSH REL 100 ppm (TWA)</td>
<td>1307</td>
</tr>
<tr>
<td>CUMENE</td>
<td>98-82-8</td>
<td>&lt;1.1%</td>
<td>OSHA ZI 50ppm (TWA) ACGIH TLV 50ppm (TWA)</td>
<td>1918</td>
</tr>
</tbody>
</table>

SECTION IV FIRST AID MEASURES

HEALTH HAZARD DATA HAZARD CLASSIFICATION
BASIS FOR CLASSIFICATION SOURCE

ROUTES OF EXPOSURE:

INHALATION:
TOXIC IF INHALED. MAY CAUSE SHORTNESS OF BREATH, INTOXICATION, HEADACHE, NAUSEA, VOMITING, RESPIRATORY TRACT INFECTIONS. 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:
BE HARMFUL IF ABSORBED THROUGH THE SKIN. MAY CAUSE IRRITATION. MAY CAUSE HARMFUL ALLERGIC REACTION. 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 AND BUTYL ACETATE COMPONENTS. 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.

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 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 CHARGE OF MATERIAL. IF POSSIBLE TO DO SO WITHOUT HAZARD. FOR SMALL SPILLS, IMPLEMENT CLEANUP PROCEEDURES. FOR LARGE SPILL, IMPLEMENT CLEAN UP PROCEDURES AND, IF IN PUBLIC AREA, KEEP PUBLIC AWAY AND ADVISE AUTHORITIES. DRIE SPILL AREA WITH 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 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 USE. 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 SPECIFIED TIME-WEIGHTED TLEV RANGE. IF THE USE OF RESPIRATORY PROTECTION 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 TLEV. 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 IMPERVIOUS 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 COVERINGS AND BOOTS ARE RECOMMENDED. IMPERVIOUS APRONS AND HELMETS (HEAD COVER) ARE RECOMMENDED WHEN WORKING WITH THIS PRODUCT. THE AVAILABILITY OF EYE WASHES AND SAFETY SHOWERS IN WORK AREAS IS RECOMMENDED.
**SECTION IX PHYSICAL / CHEMICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point (°C)</td>
<td>145°C</td>
</tr>
<tr>
<td>Melting/freezing point (°C)</td>
<td>77°C / -107°F</td>
</tr>
<tr>
<td>Vapour pressure, 15 mmHg@25°C / 77°F (BuAc)</td>
<td>4.0 (BuAc)</td>
</tr>
<tr>
<td>Solubility in H2O % by wt.</td>
<td>10-30%</td>
</tr>
<tr>
<td>Evaporation rate (BuAc=1):</td>
<td>1.12</td>
</tr>
<tr>
<td>pH (AS IS):</td>
<td>N/A</td>
</tr>
<tr>
<td>pH [% SOLN]:</td>
<td>N/A</td>
</tr>
<tr>
<td>Appearance and Odor:</td>
<td>Clear to yellowish liquid with aromatic or slightly sweet solvent odor</td>
</tr>
<tr>
<td>Flash point (TEST METHOD):</td>
<td>24°C / 75°F (CC) (BuAc)</td>
</tr>
<tr>
<td>Autoignition temp:</td>
<td>415°C / 779°F</td>
</tr>
<tr>
<td>Flammable limits in air, % by vol:</td>
<td>Lower: 1.2% Upper: 7.5% (BuAc)</td>
</tr>
</tbody>
</table>

**SECTION X STABILITY AND REACTIVITY**

| Conditions contributing to instability:       | This product reacts with water and high temperatures |
| Incompatibility:                              | This product is incompatible with water, 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>Rat LC50 (HRS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
<td>900 mg/kg</td>
</tr>
<tr>
<td>Inhalation LC50</td>
<td>4 HRS – 2730 ppm</td>
</tr>
</tbody>
</table>

Remarks: Sense organs and special senses (nose, eyes, ears, and taste): Olfaction; other changes, sense organs and special senses (nose, eyes, ears, and taste): eye, other. Lungs, thorax or respiration: dyspnea.

<table>
<thead>
<tr>
<th>Other information on acute toxicity</th>
<th>No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Derman LD50 Rabbits</td>
<td>1,796 mg/kg</td>
</tr>
</tbody>
</table>

**SKIN CORROSION/IRRITATION: NO DATA AVAILABLE**

**SERIOUS EYE DAMAGE/EYE IRRITATION: NO DATA AVAILABLE**

**RESPIRATORY OR SKIN SENSITIZATION:** May cause allergic skin reaction

**Germ Cell Mutagenicity:** No data available

**CARCINOGENICITY:**
- IARC: 3- GROUP 3: Not classifiable as to it 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 of potential carcinogen by OSHA

**REPRODUCTIVE TOXICITY:**
- Reproductive toxicity Rat Inhalation
- Maternal effects: other Effects on fertility: post-implantation

**TERATOGENICITY:** No data available

**SPECIFIC TARGET ORGAN TOXICITY:**
- Single exposure: may cause respiratory irritation
- Repeated exposure: no data available

**INHALATION HAZARD:** No data available

**POTENTIAL HEALTH EFFECTS:**
- Inhalation: may be harmful if inhaled. Causes respiratory tract irritation
- Ingestion: harmful if swallowed
- Skin: harmful if absorbed through skin. Causes skin irritation
- Eyes: causes eye irritation

**SYNERGISTIC EFFECTS:** No data available

**SECTION XII ECOLOGICAL INFORMATION**

| Toxicity to Fish: LC50- Oncorhynchus mykiss (Rainbow Trout) | 5.2 m/l – 96 HRS. |
| Toxicity to Daphnia and other aquatic invertebrates: EC50- Daphnia magna (Water Flea) | 8.2 m/l – 48 HRS. |

**PERSISTENCE AND DEGRADABILITY:** No data available

**BIOACCUMULATIVE POTENTIAL:** No data available

**MOBILITY IN SOIL:** No data available

**PBT AND vPvB ASSESSMENT:** No data available

**OTHER ADVERSE EFFECTS:**
- Toxic to aquatic life
- Avoid release to the environment

**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</td>
<td>GROUND</td>
<td>1866</td>
<td>RESIN SOLUTION</td>
<td>3</td>
<td>III</td>
<td>ORMDO – 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 – 60L 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>
<tr>
<td>MARINE POLLUTANT:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></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 311/312 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

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HMIS HAZARD RATINGS:

<table>
<thead>
<tr>
<th>POWERCOAT UV+ HD PART B CLEAR</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>3</td>
<td>3</td>
</tr>
<tr>
<td>REACTIVITY</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

KEY

4 -- SEVERE

3 -- SERIOUS

2 -- MODERATE

1 -- SLIGHT

0 -- MINIMAL