SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:
PROCOAT UR PART A PIGMENTED

VOC CONTENT: AS APPLIED <340 GRAMS/LITER OR <2.83 #/GAL
PART A ONLY: <340GR/LITER

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: JULY 2017
PREPARED BY: DARRY F. MANUEL, PRESIDENT

SECTION II – HAZARD IDENTIFICATION

CLASSIFICATION OF MIXTURE
FLAMMABLE LIQUID – CATEGORY 3
CARCINOGEN – CATEGORY 2
SPECIFIC TARGET ORGAN TOXICANT (CENTRAL NERVOUS SYSTEM) – CATEGORY 3
SPECIFIC TARGET ORGAN TOXICANT (RESPIRATORY IRRITANT) – CATEGORY 3
ASPIRATION TOXICANT – CATEGORY 1

SINGLE WORD: DANGER

HAZARD STATEMENTS: FLAMMABLE LIQUID AND VAPOR. MAY BE FATAL IF SWALLOWED AND ENTER AIRWAYS. MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS. SUSPECTED OF CAUSING CANCER.

ENVIRONMENTAL HAZARDS: EXPECTED TO BE TOXIC TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

PRECAUTIONARY STATEMENT: FLAMMABLE 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. KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES – NO SMOKING

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>STYRENE</td>
<td>25036-16-2</td>
<td>40-60%</td>
<td>ND</td>
<td>1993</td>
</tr>
<tr>
<td>ACRYLATE POLYMER</td>
<td>668105-6</td>
<td>5-10%</td>
<td>CORROSIVE SKIN/ORAL</td>
<td>N/A</td>
</tr>
<tr>
<td>SOLVENT NAPHTHA</td>
<td>64742-95-6</td>
<td>5-15%</td>
<td>TLV 50ppm</td>
<td>1268</td>
</tr>
<tr>
<td>MODIFIED ALPHATIC AMINE</td>
<td>002807-30-9</td>
<td>1-5%</td>
<td>OSHA HAZARD: COMBUSTIBLE LIQUID</td>
<td>1993</td>
</tr>
<tr>
<td>ETHER (PROPYL CELLOSOLVE)</td>
<td>1,2,4-TRIMETHYL BENZENE</td>
<td>&lt;32.0%</td>
<td>DOT LABEL: FLAMMABLE LIQUID OSHA PEL Not Estab. ACGIH TLV 25 ppm (TWA) NIOSH REL: 25 ppm (TWA) SARA SECTION 313</td>
<td>1993</td>
</tr>
<tr>
<td>ETHYLENE GLYCOL MONOPROPYL ETHER (PROPYL CELLOSOLVE)</td>
<td>2,4-DIMETHYL BENZENE (PSEUDOCUMENE)</td>
<td>95-63-6</td>
<td>&lt;32.0%</td>
<td>DOT LABEL: FLAMMABLE LIQUID OSHA PEL Not Estab. ACGIH TLV 25 ppm (TWA) NIOSH REL: 25 ppm (TWA) SARA SECTION 313</td>
</tr>
<tr>
<td>XYLENES</td>
<td>1330-20-7</td>
<td>&lt;2.2%</td>
<td>DOT LABEL: FLAMMABLE LIQUID OSHA Z1 100ppm (TWA) ACGIH TLV 100ppm (TWA) NIOSH REL 100 ppm (TWA) SARA SECTION 313 RQ 100 lbs</td>
<td>1307</td>
</tr>
<tr>
<td>CUMENE</td>
<td>98-82-8</td>
<td>&lt;1.1%</td>
<td>DOT LABEL: FLAMMABLE LIQUID OSHA Z1 50ppm (TWA) ACGIH TLV 50ppm (TWA) SARA SECTION 313</td>
<td>1918</td>
</tr>
</tbody>
</table>

PIGMENTS

| TITANIUM DIOXIDE (TiO2) | 1363-67-1   | 20-40% | OSHA PEL: 15mg/m (total dust) ACGIH TLV: 15mg/m (total dust) | NONE |
| 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 | NONE |

ADDITIONAL PIGMENTS VARY BY PRODUCT COLOR N/A 1-5 OSHA PEL: 15mg/m (total dust) ACGIH TLV: 15mg/m (total dust) | NONE |
## Section IV: First Aid Measures

### Health Hazard Data

**Basis for Classification Source**

### Routes of Exposure:

| **Inhalation:** | This product may create breathing difficulties. Dizziness, lightheadedness when working in areas with high concentration vapor inhalation can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea or headache. Vapors may cause irritation of respiratory tract mucous membranes. (Aromatic component.) |
| **Skin Contact:** | This product may cause skin irritation upon prolonged or repeated contact. Aromatic component. |
| **Skin Absorption:** | This product may cause skin irritation upon prolonged or repeated contact. Aromatic component. |
| **Eye Contact:** | This product may be an eye irritant. Aromatic component. |

### Ingestion / Inhalation:

- Can cause gastrointestinal irritation, nausea, vomiting. 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:

- 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 defeat 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. Consult a physician.
- **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.
- **Note:** This material releases ethyl alcohol upon hydrolysis. Ethyl alcohol causes opiate neuropathy, metabolic acids, and respiratory depression. Signs and symptoms of overexposure include headache, blurred vision, constricted visual fields, shortness of breath, dizziness and vertigo.

### Section V: Firefighting Measures

**Extinguishing Media:** Exclude air. Fires involving this product may be controlled by regular foam, carbon dioxide, dry chemicals, steam, or water fog. 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.

**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, vapor and dust) 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 bunged, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

**General Hazard:**

### Electro-Static Accumulation 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.

**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 firefighters 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 spills, implement cleanup 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 into 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 contaminated clothing 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 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 TELV 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 control device requested in extreme cases.

**Respiratory (Specify in Detail):** The use of respiratory protection depends on vapor concentration above the time weighted TELV. Use of OSHA approved cartridge respirator or gas mask or air pak. 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.
SECTION IX PHYSICAL / CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOILING POINT (°C)</td>
<td>161-171</td>
</tr>
<tr>
<td>MELTING/Freezing Point (°C)</td>
<td>-14 / 7</td>
</tr>
<tr>
<td>VAPOR PRESSURE (mmHg)</td>
<td>1.97</td>
</tr>
<tr>
<td>VAPOR DENSITY (Air=1)</td>
<td>4.2</td>
</tr>
<tr>
<td>SOLUBILITY IN H2O % by WT</td>
<td>N/A</td>
</tr>
<tr>
<td>EVAPORATION RATE (BuAc=1)</td>
<td>0.27</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY (H2O=1)</td>
<td>0.95</td>
</tr>
<tr>
<td>pH (AS IS)</td>
<td>N/A</td>
</tr>
<tr>
<td>pH (1% SOLN)</td>
<td>N/A</td>
</tr>
<tr>
<td>APPEARANCE AND ODOR</td>
<td>LIQUID, VARIOUS COLORS, WITH SLIGHTLY SWEET PETROLEUM ODOR</td>
</tr>
<tr>
<td>FLASH POINT (TEST METHOD)</td>
<td>&gt;42°C / &gt;108°F (TCC) (AR100)</td>
</tr>
<tr>
<td>AUTOIGNITION TEMP</td>
<td>479°C / 894°F (AR100)</td>
</tr>
<tr>
<td>FLAMMABLE LIMITS IN AIR, % by VOL:</td>
<td>LOWER: 0.9% UPPER: 6.2% (AR100)</td>
</tr>
</tbody>
</table>

SECTION X STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Conditions Contributing to Instability:</th>
<th>This product is stable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incompatibility:</td>
<td>This product is incompatible with strong oxidizing agents, strong acids or bases, and selected amines.</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>Route of Exposure</th>
<th>Toxicity</th>
<th>Data Available</th>
<th>Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Toxicity: Data available</td>
<td>May cause central nervous system effects. Based on test data for the material.</td>
<td>May irritate the respiratory tract. The effects are reversible. Based on test data for structurally similar materials.</td>
</tr>
<tr>
<td>Irritation: Data available</td>
<td>May be irritating to the respiratory tract. The effects are reversible. Based on test data for structurally similar materials.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ingestion</td>
<td>Toxicity: LD50, 3000mg/kg</td>
<td>Minimally toxic. Based on test data for structurally similar materials.</td>
<td>Minimally toxic. Based on test data for structurally similar materials.</td>
</tr>
<tr>
<td>Skin</td>
<td>Toxicity: LD50 &gt;3160 mg/kg</td>
<td>Minimally toxic. Based on test data for the material.</td>
<td>Minimally toxic. Based on test data for the material.</td>
</tr>
<tr>
<td>Irritations Data available</td>
<td>Irritation to skin with prolonged exposure. Based on test data for the material.</td>
<td>Irritation data available</td>
<td>May cause mild, short-lasting discomfort to the eyes.</td>
</tr>
</tbody>
</table>

SECTION XII ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECOTOXICITY</td>
<td>Material expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.</td>
</tr>
<tr>
<td>MOBILITY</td>
<td>Material highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids.</td>
</tr>
<tr>
<td>PERSISTENCE AND DEGRADABILITY</td>
<td>Material expected to be readily biodegradable.</td>
</tr>
<tr>
<td>BIODEGRADATION</td>
<td>Material transformation due to hydrolysis not expected to be significant.</td>
</tr>
<tr>
<td>PHOTOLYSIS</td>
<td>Material transformation due to photolysis not expected to be significant.</td>
</tr>
<tr>
<td>ATMOSPHERIC OXIDATION</td>
<td>Material expected to degrade rapidly in air.</td>
</tr>
</tbody>
</table>

SECTION XIII DISPOSAL CONSIDERATIONS

| 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 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/ON-BULK</td>
<td>NON-REGULATED</td>
<td>NON REGULATED</td>
<td>NON REGULATED</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>IATA</td>
<td>AIR 1866</td>
<td>RESIN SOLUTION</td>
<td>3, III</td>
<td>Passenger Aircraft – 60L Cargo Aircraft – 220L</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IMDG</td>
<td>OCEAN 1866</td>
<td>RESIN SOLUTION</td>
<td>3</td>
<td>III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MARINE POLLUTANT</td>
<td>This product does contain a material on the MARINE POLLUTANTS TABLE (HMT 172.101 Appendix B) AROMATIC 100</td>
<td></td>
<td></td>
<td></td>
<td></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 64742-95-6 (aromatic 100).

**CERCLA:** If the reportable quantity of this product is accidentally spilled, the incident is subject to the provisions of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) and must be reported to the National Response Center by calling 1-800-424-8802 or 202-426-2675. No reportable spill quantity (RQ) has been established for this product (aromatic solvent naphtha).

**SARA TITLE III:** Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Re-Authorization Act, this product is classified into the following hazard categories: delayed health, fire.

**ADDITIONAL REGULATORY CONCERNS:** (federal, FDA, USDA, CPSC, state, other)

**FEDERAL / FDA / USDA:** Marine pollutants: this product does contain a material on the marine pollutants table (HMT 172.101 Appendix B). See Section XIV.

**CALIFORNIA PROP 65:** Warning: this product contains chemicals known to the state of California to cause cancer or birth defects or other reproductive harm. (Epichlorohydrin, ethylbenzene, crystalline silica particles of respirable size)

**CERCLA / RQ:** None established.

This product does not contain a material on the RQ table (HMT 172.101 Appendix A):

**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>DARRYL MANUEL / PRESIDENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPANY:</td>
<td>VEXCON CHEMICALS, INC.</td>
</tr>
<tr>
<td>ADDRESS:</td>
<td>7240 STATE RD., PHILA., PA 19135 USA</td>
</tr>
</tbody>
</table>

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>PROCURATEUR PART A</th>
<th>NPCA-HMIS</th>
<th>NFPA 704</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIGMENTED</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

**HEALTH**

- **1** -- Moderate
- **2** -- Severe

**FLAMMABILITY**

- **1** -- Slight
- **2** -- Serious

**REACTIVITY**

- **0** -- Minimal
- **1** -- Significant

Key:

- **4** -- Severe
- **3** -- Serious
- **2** -- Moderate
- **1** -- Slight
- **0** -- Minimal
SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:
PROCOAT UR PART B PIGMENTED

VOC CONTENT: AS APPLIED <300 GRAMS/LITER OR <2.50 #/GAL. PART B ONLY: <125 GRAMS/LITER 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: JULY 2017

UPDATED: JULY 2017

PREPARED BY: DARRY F. MANUEL, PRESIDENT

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 II – HAZARD IDENTIFICATION

SOLVENT NAPHTHA (Petroleum), LIGHT AROMATIC

64742-95-6 1-5% OSHA HAZARD: COMBUSTIBLE LIQUID TLV 50ppm 1268

PERFORMANCE ADDITIVES, VAR.

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

COMPONENT CAS NO. MAX % HAZARD DATA UN#

1,2,4-TRIMETHYL BENZENE (PSEUDOCUMENE) 95-63-6 <32.0% OSHA PEL: NE ACGIH TLV: 25ppm (TWA) 1993

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

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

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>
</tbody>
</table>

SAFETY DATA SHEET
VECON NO. CP201
PROCOAT UR PART B PIGMENTED

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.

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 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.
PROCEDURES

SPECIAL FIRE HAZARD:
EXPLOSION
AND UNUSUAL FIRE HAZARD:
STATIC ELECTRICITY
AND/OR SUITABLE DISPERSANTS MAY BE USED IN NON-CONFINED WATERS. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND USE EXPLOSION PROOF EQUIPMENT IS HIGHLY ADVISABLE.

HAZARDS TO BE KEPT COOL WITH WATER SPRAY IN ORDER TO PREVENT PRESSURE BUILD UP. USE WATER SPRAY COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL. ISOLATE "FUEL" SUPPLY FROM FIRE. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.

PRECAUTIONARY STATEMENTS: PERSONNEL SHOULD AVOID INHALATION OF VAPORS. PERSONAL CONTACT WITH THE PRODUCT SHOULD BE AVOIDED. 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.

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 INDETERMINATE 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 OFignITION: THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTYS DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF.

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

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.

CONSIDER THE USE OF EXPLOSIVE DEVICES MAY BE REQUIRED IN EXTREME CASES.

SECTION VII HANDLING AND STORAGE

VENTILATION REQUIREMENTS: LOCAL MECHANICAL VENTILATION MAY BE SUFFICIENT TO KEEP PRODUCT VAPOR CONCENTRATIONS WITHIN SPECIFIED TIME-WEIGHTED TLV RANGES. IF LOCAL VENTILATION PROTOCOLS INADEQUATE TO MAINTAIN SAFE VAPOR CONCENTRATIONS, SUPPLEMENTAL LOCAL EXHUST 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.

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 BE CONTAMINATED WITH THIS MATERIAL. KEEP AWAY FROM HIGH TEMPERATURES, OPEN FLAMES, SPARKS, SOURCES OF IGNITION, ETC. USE WITH EXPLOSION PROOF EQUIPMENT IS HIGHLY ADVISABLE.

LIMITS IN AIR:
- LOWER: 1.2%  UPPER: 7.5% (BuAc)

PH (AS IS): N/A

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

SECTION VIII EXPOSURE CONTROLS / PERSONAL PROTECTION

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

MELTING/FREEZING POINT:
-17°C / -16°F (Butyl Acetate)

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

DENSITY (AIR=1):
4.0 (BuAc)

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

REACTS WITH WATER:

EVAPORATION RATE (BuAc=1):
1.12

SPECIFIC GRAVITY (H2O=1):
1.12

pH (AS IS): N/A

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

SECTION IX PHYSICAL / CHEMICAL CHARACTERISTICS

FLASH POINT:
24°C / 75°F (CC) (BuAc)

AUTOIGNITION TEMP:
415°C / 779°F

FLAMMABLE LIMITS IN AIR, %
LOWER: 1.2%  UPPER: 7.5% (BuAc)

 BY VOL:

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 LARGE 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 SHOVED 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 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

ACUTE TOXICITY

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORAL LD50</td>
<td>mg/kg</td>
</tr>
<tr>
<td>INHALATION LC50</td>
<td>0.1% IS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP</td>
</tr>
</tbody>
</table>

SKIN CORROSION/IRRITATION

NON DATA AVAILABLE

SERIOUS EYE DAMAGE/ EYE IRRITATION

NON DATA AVAILABLE

REPRODUCTIVE TOXICITY

MATERNAL EFFECTS: OTHER EFFECTS, EFFECTS ON FERTILITY, POST-IMPLANTATION MORTALITY (E.G.) DEAD AND/OR RESORBED IMPLANTS PER TOTAL NUMBER OF IMPLANTS. NO DATA AVAILABLE

REPRODUCTIVE TOXICITY – RAT INHALATION

REPRODUCIVE TOXICITY: POST-IMPLANTATION MORTALITY (E.G. DEAD AND/OR RESORBED IMPLANTS PER TOTAL NUMBER OF IMPLANTS). NO DATA AVAILABLE

TERATOGENICITY

NO DATA AVAILABLE

SPECIFIC TARGET ORGAN TOXICITY

SINGLE EXPOSURE (GLOBALLY HAZARDOUS SYSTEM) MAY CAUSE RESPIRATORY IRRITATION

SPECIFIC TARGET ORGAN TOXICITY

REPEATED EXPOSURE (GLOBALLY HARMONIZED SYSTEM) NO DATA AVAILABLE

ASPIRATION 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

SIGN AND SYMPTOMS OF EXPOSURE

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

SYNERGISTIC EFFECTS

NO DATA AVAILABLE

ADDITIONAL INFORMATION

RTECS: UD3150000

SECTION XII ECOLOGICAL INFORMATION

TOXICITY

TOXICITY TO FISH LC50 – INCHORHYNCHUS MYKISS (RAINBOW TROUT) – 5.2 mg/l – 96 HRS.

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES EC50 – DAPHNIA MAGNA (WATER FLEA) – 8.2 mg/l – 48 HRS.

PERSISTENCE AND DEGRADABILITY

NO DATA AVAILABLE

BIOACCUMULATIVE POTENTIAL

NO DATA AVAILABLE

MOBILITY IN SOIL

NO DATA AVAILABLE

PBT AND vPvB ASSESSMENT

NON DATA AVAILABLE

OTHER ADVERSE EFFECTS

AN ENVIRONMENTAL HAZARD CONNOT BE EXCLUDED IN THE ENVIRONMENT.

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.
**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 not contain a material on the marine pollutants table (HMT 172.101 Appendix B) aromatic 100

**SECTION XV REGULATORY INFORMATION**

**TSCA:** The solvent portion of this product is listed on the TSCA inventory as a UVCB (unknown, variable composition or biological) chemical at CAS registry number 64742-95-6 (aromatic 100).

**CERCLA:** If the reportable quantity of this product is accidentally spilled, the incident is subject to the provisions of the comprehensive environmental response compensation and liability act (CERCLA) and must be reported to the national response center by calling 1-800-424-8802 or 202-426-2675. 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.

**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

**CALIFORNIA PROP 65:** Warning: This product contains chemicals known to the state of California to cause cancer or birth defects or other reproductive harm. (Epichlorohydrin, Ethylbenzene, Crystalline Silica particles of respirable size)

**CERCLA / RQ:** 5000 POUNDS (BUTYL ACETATE) This product does not contain a material on the RQ table (HMT 172.101 Appendix A):

**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:**

**PROCOAT UR PART B PIGMENTED**

<table>
<thead>
<tr>
<th>NPCA-HMIS</th>
<th>NFPA 704</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

**HEALTH**

2 -- MODERATE

**FLAMMABILITY**

3 -- MODERATE

1 -- SLIGHT

**REACTIVITY**

0 -- MINIMAL