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

HEALTH 1
FLAMMABILITY 3
REACTIVITY 0

SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:
PROCOAT UR 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: JULY 2017

UPDATED: JULY 2017

PREPARED BY: DARRY F. MANUEL, PRESIDENT

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 ACRYLATE POLYMER</td>
<td>25036-16-2</td>
<td>50-60%</td>
<td>ND</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</td>
<td>1123</td>
</tr>
<tr>
<td>ETHYLENE GLYCOL MONOPROPYL ETHER</td>
<td>002807-30-9</td>
<td>1-5%</td>
<td>OSHA HAZARD: COMBUSTIBLE</td>
<td>1993</td>
</tr>
<tr>
<td>SOLVENT NAPHTHA (Petroleum), LIGHT AROMATIC</td>
<td>64742-95-6</td>
<td>1-5%</td>
<td>TLV 50ppm</td>
<td>1268</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)</td>
<td>1157</td>
</tr>
<tr>
<td>PERFORMANCE ADDITIVES, VAR.</td>
<td>N/A</td>
<td>1-5%</td>
<td>N/A</td>
<td>N/A</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;32.0%</td>
<td>OSHA PEL: NE ACGIH TLV: 25 ppm (TWA)</td>
<td>1993</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>
<td>1307</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>
<td>1918</td>
</tr>
</tbody>
</table>

SECTION IV FIRST AID MEASURES

HEALTH HAZARD DATA HAZARD CLASSIFICATION
BASE 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.
INHALATION / INGESTION:

- 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 DIBUTYL ACETATE, ACETONE, CIS-2-PROPYL CYCLOHEXANONE, 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 STOPS, BEGIN ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION.

INGESTION:

- DO NOT INDUCE VOMITING; SEEK IMMEDIATE MEDICAL ATTENTION.

SECTION V FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:

- EXCLUDE AIR. FIRES INVOLVING THIS PRODUCT MAY BE CONTROLLED BY REGULAR FOAM, CARBON DIOXIDE, DRY CHEMICALS OR WATER SPRAY. WATER MIGHT BE USED TO LOCALLY CONTROL FIRES OR BUILDUP FROM FIRES IN CLOSED OR CONFINED AREAS AND FOR COOLING PURPOSES. AVOID SPRAYING WATER DIRECTLY INTO STORAGE CONTAINERS DUE TO DANGER OF BOIL OVER.

GENERAL HAZARD:

- 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 (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDIER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAMES, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF.

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.

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 (FLARES, FLAMES, PILOT LIGHTS, ELECTRICAL SPARKS). PREVENT ADDITIONAL DISCHARGE OF MATERIAL IF POSSIBLE TO DO SO WITHOUT HAZARD. FOR SMALL SPILLS, IMPLEMENT CLEANUP PROCEDURES. FOR LARGE SPILLS, IMPLEMENT CLEAN UP PROCEDURES AND, IF IN PUBLIC AREA, KEEP PUBLIC AWAY AND ADVISE AUTHORITIES.

- Dike Spill Area With Earth Or 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.

SECTION VII HANDLING AND STORAGE

PRECAUTIONARY STATEMENTS:

- PERSONNEL SHOULD AVOID INHALATION OF VAPORS. PERSONAL CONTACT WITH THE PRODUCT SHOULD BE AVOIDED. SHOULD CONTACT BE MADE, REMOVE SATURATED APPAREL AND FLUSH AFFECTED BODY AREAS WITH WATER. CLOTHING MUST BE WASHED AND DRIED BEFORE REUSE. CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE (VAPOR, LIQUID AND/OR SOLID). ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET MUST BE OBSERVED.

- FIRE FIGHTING: WATER MAY BE UNSUITABLE AS AN EXTINGUISHING MEDIUM BUT HELPFUL IN KEEPING ADJACENT CONTAINERS COOL. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES. PERSONNEL SHOULD AVOID INHALATION OF VAPORS.

OTHER HANDLING AND STORAGE REQUIREMENTS:

- STORE AND USE IN WELL VENTILATED AREA, EQUIVALENT TO FRESH AIR. KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE WITH INCOMPATIBLE MATERIALS. STORE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. DO NOT STORE OR CONSUME FOOD, DRINK, OR TOBACCO IN AREAS WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL. KEEP AWAY FROM HIGH TEMPERATURES, OPEN FLAMES, SPARKS, SOURCES OF IGNITION, ETC. USE WITH EXPLOSION PROOF EQUIPMENT IS HIGHLY ADVISABLE.

SECTION VIII EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION REQUIREMENTS:

- LOCAL MECHANICAL VENTILATION MAY BE SUFFICIENT TO KEEP PRODUCT VAPOR CONCENTRATIONS WITHIN SPECIFIED TIME-WEIGHTED TLV RANGES. IF LOCAL VENTILATION PROVES INADEQUATE TO MAINTAIN SAFE VAPOR CONCENTRATIONS, COMPLEMENTAL 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. CARBON CARTRIDGE RESPIRATOR: HALF MASK ORGANIC VAPOR CARTRIDGE. FULL FACE ORGANIC VAPOR CARTRIDGE IF EYE PROTECTION IS NEEDED.

EYES:

- CHEMICAL GOGGLES AND/OR FACE SHIELD ARE RECOMMENDED TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY.

GLOVES:

- THE USE OF IMPERMEABLE GLOVES IS ADVISED TO PREVENT SKIN IRRITATION IN SENSITIVE INDIVIDUALS. IMPERVIOUS GLOVES, (CHEMICAL RESISTANT) SUCH AS NEOPRENE, LATEX OR PVA.

OTHER CLOTHING AND EQUIPMENT:

- TO PREVENT BODY CONTACT, IMPERVIOUS CLOTHING AND BOOTS ARE RECOMMENDED. IMPERVIOUS APRONS AND HELMETS (HEAD COVER) ARE RECOMMENDED WHEN WORKING WITH THIS PRODUCT. THE AVAILABILITY OF EYE WASHES AND SAFETY SHOWERS IN WORK AREAS IS RECOMMENDED.

SECTION IX PHYSICAL / CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOILING POINT</td>
<td>98°C / 208°F (TBAc)</td>
</tr>
<tr>
<td>MELTING/FREEZING POINT</td>
<td>4°C / 39°F (TBAc)</td>
</tr>
<tr>
<td>VAPOR PRESSURE</td>
<td>41.3 mgHg at 68°F/25°C (TBAc)</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR=1)</td>
<td>4.0 (TBAc)</td>
</tr>
<tr>
<td>SOLUBILITY IN H2O % BY WT</td>
<td>% VOLATILES BY VOL: 40-60%</td>
</tr>
<tr>
<td>EVAPORATION RATE (BuAc=1)</td>
<td>SPECIFIC GRAVITY (H2O=1): 0.96</td>
</tr>
<tr>
<td>pH (AS IS)</td>
<td>pH (% SOLN): N/A</td>
</tr>
<tr>
<td>APPEARANCE AND ODOR</td>
<td>CLEAR LIQUID WITH PAINT SOLVENT ODOR</td>
</tr>
</tbody>
</table>

Page 2 of 8
### SECTION X STABILITY AND REACTIVITY

**CONDITIONS CONTRIBUTING TO INSTABILITY:**

This product is stable.

**INCOMPATIBILITY:**

This product is incompatible with strong oxidizing agents, strong acids or bases, and selected amines.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide, and unidentified organics.

**CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION:**

N/A will not occur.

### SECTION XI TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

<table>
<thead>
<tr>
<th></th>
<th>LC50 (VAPOR)</th>
<th>LD50 (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>
<tr>
<td>HOURS</td>
<td>6</td>
<td></td>
<td></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 overexposure). 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 (kidney) by mechanism of action that is not relevant to humans and in mice (nervous system) transient behavioral 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 vitality 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 embroyofetal toxicity or development 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.

### CARCINOGENICITY

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 α-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 human. This substance is not classified for carcinogenicity by IARC, OSHA, NTP or the EPA.

### SECTION XII ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>ACUTE FISH TOXICITY</th>
<th>LC50/96 HOURS</th>
<th>ONCORHYNCHUS MYKISS</th>
<th>ACUTE TOXICITY TO FISH IS LOW</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ACUTE TOXICITY TO AQUATIC INVERTEBRATES</td>
<td>EC50/48 HOURS</td>
<td>DAPHNIA MAGNESIENSIS</td>
<td>LOW ACUTE TOXICITY TO AQUATIC INVERTEBRATES</td>
</tr>
<tr>
<td></td>
<td>TOXICITY TO AQUATIC PLANTS</td>
<td>EC50/96 HOURS</td>
<td>PSEUDOKIRKINIA SUBCAPITATA</td>
<td>LOW TOXICITY TO ALGAE</td>
</tr>
<tr>
<td></td>
<td>TOXICITY TO MICROORGANISMS</td>
<td>EC3/16 HOURS</td>
<td>PSEUDOMONAS PUTIDA 78</td>
<td>LOW TOXICITY TO BACTERIA</td>
</tr>
<tr>
<td></td>
<td>TOXICITY TO BACTERIA</td>
<td>EC3/72 HOURS</td>
<td>ENTOSIPHON SULCATUM</td>
<td>N/A DATA AVAILABLE</td>
</tr>
<tr>
<td></td>
<td>CHRONIC TOXICITY TO FISH</td>
<td>NO DATA AVAILABLE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CHRONIC TOXICITY TO AQUATIC INVERTEBRATES</td>
<td>NON DATA AVAILABLE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OTHER ADVERSE EFFECTS</td>
<td>EXPECTED TO SHOW LOW TOXICITY TO HIGHER PLANTS</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MOBILITY</td>
<td>BEHAVIOR IN ENVIRONMENTAL COMPARTMENTS; RELEASED MATERIAL WOULD BE EXPECTED TO SHOW HIGH SOIL MOBILITY AND TO VOLATILIZE READILY FORM SOIL AND SURFACE WATERS, FORMING ATMOSPHERIC VAPOR.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENVIRONMENTAL FATE AND PATHWAYS</td>
<td>BIODEGRADABILITY: EXPECTED TO HYDROLYZE SLOWLY IN WATER (HALF-LIFE ca 0.5 YEARS OR LONGER). ATMOSPHERIC VAPORS EXPECTED TO BE PHOTOCHEMICALLY DEGRATED BY REACTION WITH HYDROXYL RADICALS (HALS LIKE 19.7 DAYS). INHERENTLY BIODEGRADABLE.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>BIOACCUMULATION: BIOCONCENTRATION FACTOR (BCF) 5.61 (QSAR CALCULATED VALUE)</td>
<td>THIS MATERIAL IS NOT EXPECTED TO BIOACCUMULATE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OTHER ADVERSE EFFECTS</td>
<td>THIS MATERIAL IS NOT CONSIDERED PERSISTENT BY EPA, AND IS NOT EXPECTED TO CONTRIBUTE TO THE GREENHOUSE GAS EFFECT, STRATOSPHERIC OZONE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 540-88-5 (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): SEE SECTION XIV

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:

<table>
<thead>
<tr>
<th>PROCURATEUR PART A</th>
<th>NPCA-HMIS</th>
<th>NFPA 704</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLEAR</td>
<td>1</td>
<td>3</td>
</tr>
</tbody>
</table>

HEALTH

<table>
<thead>
<tr>
<th>FLAMMABILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>REACTIVITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
</tr>
</tbody>
</table>

KEY

4 -- SEVERE
2 -- MODERATE
1 -- SLIGHT
0 -- MINIMAL
## SECTION I - GENERAL INFORMATION

**PRODUCT IDENTIFICATION:**

**PROCOAT UR PART B CLEAR**

**VOC CONTENT:**

AS APPLIED: &lt;340 GRAMS/LITER OR &lt;2.83 #/GAL

**CATEGORY:**

INDUSTRIAL MAINTENANCE COATING

**COMMON NAME:**

URETHANE COATING

**MANUFACTURER:**

VEXCON CHEMICALS, INC

**ADDRESS:**

7240 STATE RD, PHILADELPHIA, PA 19135

**EMERGENCY NO:**

215.332.7709 (Vexcon)

**TELEPHONE NO:**

800.858.2828 (PolySat Inc)

**PREPARED:**

JULY 2017

**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

### 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 A 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, 1,0 DISOCANATATO-, 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</td>
<td>64742-95-8</td>
<td>1-5%</td>
<td>OSHA HAZARD:</td>
<td>1268</td>
</tr>
</tbody>
</table>

---

## SECTION IV - FIRST AID MEASURES

### HEALTH HAZARD DATA HAZARD CLASSIFICATION

**BASES 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 IRRITATING ON SKIN AND EYES.

**ACUTE OVEREXPOSURE:**

ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS: MODERATE IRRITATION BY LIQUID TO SKIN AND EYES. PROLONGED CONTACT ON THE SKIN MAY CAUSE SKIN IRRITATION DEVELOPS AND PERSISTS.

**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: 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. COMBUSTIBLE LIQUID - CAN FORM COMBUSTIBLE MIXTURES AT TEMPERATURES AT OR ABOVE THE FLASH POINT. STATIC DISCHARGE - MATERIAL CAN ACCUMULATE STATIC CHARGES WHICH CAN CAUSE AN INCENDIARY ELECTRICAL DISCHARGE. "EMPTY" CONTAINERS RETAIN PRODUCT RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF.

GENERAL HAZARD: 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 IF THE USE OF SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE SHOULD BE PROVIDED FOR FIRE FIGHTERS IN BUILDINGS OR CONFINED AREAS WHERE THIS PRODUCT IS STORED.

SPECIAL FIRE FIGHTING PROCEDURES: STORAGE CONTAINERS EXPOSED TO FIRE SHOULD BE 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.

USE PROPER GROUNDING.

SECTION VI ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: ELIMINATE SOURCES OF IGNITION (FLARES, FLAMES, PILOT LIGHTS, ELECTRICAL SPARKS). PREVENT ADDITIONAL DISCHARGE OF MATERIAL; IF POSSIBLE TO DO SO WITHOUT HAZARD. FOR SMALL SPILLS, IMPLEMENT CLEANUP PROCEDURES. FOR LARGE SPILL, IMPLEMENT 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 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 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.

FIRES 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 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 FACE ORGANIC VAPOR CARTRIDGE IF EYE PROTECTION IS NEEDED.

EYES: CHEMICAL GOGGLES AND/OR FACE SHIELD ARE RECOMMENDED TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY.

GLOVES: THE USE OF IMPERMEABLE GLOVES IS ADVISED TO PREVENT SKIN IRRITATION IN SENSITIVE INDIVIDUALS. IMPERVIOUS GLOVES, (CHEMICAL RESISTANT) SUCH AS NEOPRENE, LATEX OR PVA.

OTHER CLOTHING AND EQUIPMENT: TO PREVENT BODY CONTACT, IMPERVIOUS CLOTHING AND BOOTS ARE RECOMMENDED. IMPERVIOUS APRONS AND HELMETS (HEAD COVER) ARE RECOMMENDED WHEN WORKING WITH THIS PRODUCT. THE AVAILABILITY OF EYE WASHES AND SAFETY SHOWERS IN WORK AREAS IS RECOMMENDED.

SECTION IX PHYSICAL / CHEMICAL CHARACTERISTICS

| BOILING POINT: (750mmHg) | 145°C / 293°F |
| MELTING/FREEZING POINT: | -77°C / -107°F (Butyl Acetate) |
| VAPOR PRESSURE: | 15 mmHg@25°C / 7.7°F (BuAc) |
| VAPOR DENSITY (AIR=1): | 4.0 (BuAc) |
| SOLUBILITY IN H2O % BY WT: | % VOLATILES BY VOL: |
| REACTS WITH WATER: | 10-30% |
| EVAPORATION RATE | (BuAc=1): 1.12 |
| SPECIFIC GRAVITY (H2O=1): | 1.0 |
| pH (AS IS): | N/A |
| pH (1% SOLN): | N/A |
| APPEARANCE AND ODOR: | CLEAR TO YELLOWISH LIQUID WITH AROMATIC OR SLIGHTLY SWEET SOLVENT ODOR |
| FLAMMABLE: | 24°C / 75°F (CC) (BuAc) |
| LIMITS IN AIR, % | LOWER: 1.2% UPPER: 7.5% (BuAc) |

Page 6 of 8
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>Route</th>
<th>Species</th>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
<td>Rat</td>
<td>Mortality</td>
<td>900 mg/kg</td>
</tr>
<tr>
<td>Inhale LC50</td>
<td>Rat</td>
<td>Mortality</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 CHANGES. SENSE ORGANS AND SPECIAL SENSES (NOSE, EYES, EARS, AND TASTE): OLFACTION; OTHER CHANGES. SENSE ORGANS AND SPECIAL SENSES (NOSE, EYES, EARS, AND TASTE): OLFACTION; OTHER CHANGES. SENSE ORGANS AND SPECIAL SENSES (NOSE, EYES, EARS, AND TASTE): OLFACTION; OTHER CHANGES. SENSE ORGANS AND SPECIAL SENSES (NOSE, EYES, EARS, AND TASTE): OLFACTION; OTHER CHANGES.

SKIN CORROSION/IRRITATION: NO DATA AVAILABLE

SERIOUS EYE DAMAGE/EYE IRITATION: NO DATA AVAILABLE

RESPIRATORY OR SKIN SENSITIZATION: MAY CAUSE ALLERGIC SKIN REACTION

GERM CELL MUTAGENICITY: NO DATA AVAILABLE

CARCINOGENICITY

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC</td>
<td>3: GROUP 3; NOT CLASSIFIABLE AS TO IT CARCINOGENICITY TO HUMANS (BUTYL ACETATE)</td>
</tr>
<tr>
<td>NTP</td>
<td>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</td>
</tr>
<tr>
<td>OSHA</td>
<td>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</td>
</tr>
</tbody>
</table>

REPRODUCTIVE TOXICITY

<table>
<thead>
<tr>
<th>Route</th>
<th>Species</th>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maternal Effects: Other Effects</td>
<td>Rat</td>
<td>Inhalation</td>
<td>Effects on Fertility: Post-Implantation Mortality (E.G. Dead and/or Resorbed Implant per Total Number of Implants)</td>
</tr>
<tr>
<td>Reproductive Toxicity: Other Effects</td>
<td>Rat</td>
<td>Inhalation</td>
<td>Effects on Fertility: Post Mortality (E.G. Dead and/or Resorbed Implants per Total Number of Implants)</td>
</tr>
</tbody>
</table>

TERATOGENICITY: NO DATA AVAILABLE

SPECIFIC TARGET ORGAN TOXICITY

<table>
<thead>
<tr>
<th>Route</th>
<th>Species</th>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Exposure</td>
<td>Rat</td>
<td>MAY CAUSE RESPIRATORY IRRITATION</td>
<td></td>
</tr>
<tr>
<td>Repeated Exposure</td>
<td>Rat</td>
<td>NO DATA AVAILABLE</td>
<td></td>
</tr>
</tbody>
</table>

ASPIRATION HAZARD: NO DATA AVAILABLE

POTENTIAL HEALTH EFFECTS

<table>
<thead>
<tr>
<th>Route</th>
<th>Species</th>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Rat</td>
<td>MAY BE HARMFUL IF INHALED. CAUSES RESPIRATOR TRACT IRRITATION</td>
<td></td>
</tr>
<tr>
<td>Ingestion</td>
<td>Rat</td>
<td>HARMFUL IF SWALLOWED</td>
<td></td>
</tr>
<tr>
<td>Skin</td>
<td>Rat</td>
<td>HARMFUL IF ABSORBED THROUGH SKIN. CAUSES</td>
<td></td>
</tr>
</tbody>
</table>

SECTION XII ECOLOGICAL INFORMATION

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 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>Hazards 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>ORM-2 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>
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


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 (NPMA) HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 704) IDENTIFICATION OF FIRE HAZARDS OF MATERIALS

<table>
<thead>
<tr>
<th>PROCOAT UR PART B CLEAR</th>
<th>NPCA-HMIS</th>
<th>NFPA 704</th>
<th>KEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>2</td>
<td>2</td>
<td>2 -- MODERATE</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>3</td>
<td>3</td>
<td>1 -- SLIGHT</td>
</tr>
<tr>
<td>REACTIVITY</td>
<td>0</td>
<td>0</td>
<td>0 -- MINIMAL</td>
</tr>
</tbody>
</table>

NPCA-HMIS
NFPA 704

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

NPCA-HMIS
NFPA 704

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.