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

SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:
POWERCOAT UV+ HD PART A PIGMENTED
VOC CONTENT: AS APPLIED <340 GRAMS/LITER OR <2.83 #/GAL
PART A ONLY: <340GR/LITER
CATEGORY: INDUSTRIAL MAINTENANCE COATING
COMMON NAME: URETHANE COATING
MANUFACTURER: VEXCON CHEMICALS, INC
ADDRESS: 7240 STATE RD, PHILADELPHIA, PA 19135
TELEPHONE NO: 215.332.7709 (Vexcon)
CHEMTREC NO: 800.424.9300 (CCN# 23822)
PREPARED: MAY 1996
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>STYRENE ACRYLATE POLYMER</td>
<td>25036-16-2</td>
<td>40-60%</td>
<td>ND</td>
<td>1993</td>
</tr>
<tr>
<td>MODIFIED ALPHATIC AMINE</td>
<td>68610560</td>
<td>5-10%</td>
<td>CORROSIVE SKIN/ORAL</td>
<td>N/A</td>
</tr>
<tr>
<td>SOLVENT NAPHTHA (Petroleum), LIGHT AROMATIC</td>
<td>64742-95-6</td>
<td>5-15%</td>
<td>TLV 50ppm</td>
<td>OSHA HAZARD: COMBUSTIBLE LIQUID</td>
</tr>
<tr>
<td>ETHYLENE GLYCOL MONOPROPYL ETHER (PROPYL CELLOSOLVE)</td>
<td>002807-30-9</td>
<td>1-5%</td>
<td>OSHA HAZARD: COMBUSTIBLE LIQUID</td>
<td>Dow IHG 20 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ILO 20 ppm, 86 mg/m3</td>
</tr>
<tr>
<td>PERFORMANCE ADDITIVES</td>
<td>N/A</td>
<td>1-5%</td>
<td>N/D</td>
<td>N/A</td>
</tr>
<tr>
<td>(AR100) THE AROMATIC SOLVENT PORTION CONTAINS THE FOLLOWING</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMPONENT</td>
<td>CAS NO.</td>
<td>MAX %</td>
<td>HAZARD DATA</td>
<td>UN#</td>
</tr>
<tr>
<td>1,2,4-TRIMETHYL BENZENE (PSEUDOCUMENE)</td>
<td>95-63-8</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>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>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 | NONE |
| ADDITIONAL PIGMENTS VARY BY PRODUCT COLOR | N/A | 1-5 | OSHA PEL: 15mg/m (total dust) ACGIH TLV: 15mg/m (total dust) | NONE |

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

HEALTH 1
FLAMMABILITY 2
REACTIVITY 0
**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, light-headedness when working in areas with high vapor concentration. Vapor inhalation can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea or headache. Vapors may cause irritation of respiratory tract mucous membranes.

**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:**

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 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. 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 optic neuropathy, metabolic acidosis and respiratory depression. Symptoms of overexposure include headache, blurred vision, constriction of visual fields, shortness of breath, dizziness and vertigo.

**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, 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 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:**

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 spills, implement clean up procedures and, if in public area, keep public away and advise authorities. If spill area is not a public area or cannot be isolated to contain spills, liquid and prevent spreading. Do not use combustible materials such as sawdust. Pump liquid to salvage tank. Remaining liquid can be taken up on sand, earth, floor absorbent, or with another suitable absorbent material and shoveled into containers. Consult an expert on disposal of recovered material and ensure conformity to EPA, federal, state, and local disposal regulations.

**SECTION VII HANDLING AND STORAGE**

**PRECAUTIONARY STATEMENTS:**

Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated apparel and flush affected body areas with water. Clothing must be washed and dried before reuse. Containers of this material may be hazardous when emptied since emptied containers retain product residue (vapor, liquid and/or solid). All hazard precautions given in this data sheet must be observed.

**FIRE FIGHTING:**

Water may be unsuitable as an extinguishing medium but helpful in keeping adjacent containers cool. Avoid spreading burning liquid with water used for cooling purposes. Personnel should avoid inhalation of vapors. Other handling and storage requirements; store and use in well ventilated area, equivalent to fresh air. Keep container tightly closed. Do not store with incompatible materials. Store in accordance with federal, state, and local regulations. Do not store or consume food, drink, or tobacco in areas where they may become contaminated with this material. Keep away from high temperatures, open flames, sparks, sources of ignition, etc. Use with explosion proof equipment is highly advisable.

**SECTION VIII EXPOSURE CONTROLS / PERSONAL PROTECTION**

**VENTILATION REQUIREMENTS:**

Local mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted TLV ranges. If local ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required. Other special precautions such as respiratory masks or environmental containment devices may be required in extreme cases.

**RESPIRATORY (SPECIFY IN DETAIL):**

The use of respiratory protection depends on vapor concentration above the time weighted TLV. Use of OSHA approved cartridge respirator or gas mask or air-pack. Chemical cartridge respirator: half mask organic vapor cartridge. Full face organic vapor cartridge if eye protection is needed.

**EYES:**

Chemical goggles and/or face shield are recommended to safeguard against potential eye contact, irritation or injury.

**GLOVES:**

The use of impermeable gloves is advised to prevent
SKIN IRRITATION IN SENSITIVE INDIVIDUALS. IMPEVIOUS GLOVES, (CHEMICAL RESISTANT) SUCH AS NEOPRENE, LATEX OR PVA.

OTHER CLOTHING AND EQUIPMENT: TO PREVENT BODY CONTACT. IMPEVIOUS CLOTHING AND BOOTS ARE RECOMMENDED. IMPEVIOUS 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>161-171 °C / 322-340 F</td>
</tr>
<tr>
<td>Range (°C)</td>
<td>1.1 g/m³ (180°C)</td>
</tr>
<tr>
<td>Specific Heat Capacity (kcal/kg)</td>
<td>21.3 kcal/kg</td>
</tr>
<tr>
<td>Density (g/mL at 20°C)</td>
<td>0.95 g/mL</td>
</tr>
<tr>
<td>Melting/Freezing Point (°C)</td>
<td>-14°C / 7°F (AR100)</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>&gt;108°F (TCC) (AR100)</td>
</tr>
<tr>
<td>Autoignition Temp (°C)</td>
<td>479°C / 894°F (AR100)</td>
</tr>
<tr>
<td>Solubility in H2O % by wt.</td>
<td>40-60%</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Liquid, various colors, with slightly sweet petroleum odor</td>
</tr>
</tbody>
</table>

SECTION X STABILITY AND REACTIVITY

| Conditions Contributing to Instability | This Product is Stable. |
| Incompatibility                     | This product is incompatible with strong oxidizing agents, strong acids or bases, and selected amines. |
| Hazardous Decomposition Products    | Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide, and unidentified organics. |
| Conditions Contributing to Hazardous Polymerization | N/A will not occur |

SECTION XI TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Toxicity: Data Available</th>
<th>May Cause Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<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>
</tr>
<tr>
<td>Ingestion</td>
<td>Toxicity: LD50, 30.000 mg/kg</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>
</tr>
<tr>
<td>Eye</td>
<td>Irritations Data Available</td>
<td>Mild irritation to skin with prolonged exposure. Based on test data for the material.</td>
</tr>
<tr>
<td>Eye</td>
<td>Irritation Data Available</td>
<td>May cause mild, short-lasting discomfort to</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 tetrahydro).  
**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 202-426-2075. 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 contains 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

**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>VEXCON POWERCOAT UV+ HD PART A PIGMENTED</th>
<th>NPCA-HMIS</th>
<th>NFPA 704</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>2</td>
<td>2</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
SAFETY DATA SHEET
VEXCON NO. CP108
POWERCOAT UV+ HD PART B
PIGMENTED

SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:
POWERCOAT UV+ HD 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)
CHEMTREC NO:
800.424.9300 (CCN# 23822)
PREPARED BY:
DARRY F. MANUEL, PRESIDENT
PREPARED:
DECEMBER 2003
UPDATED:
JULY 2017

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: USE OF SOLVENT RESISTANT GLOVES, GOGGLES AND OTHER PROTECTIVE EQUIPMENT IS ADVISED WHEN HANDLING THIS PRODUCT: ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL: USE OF RESPIRATORS IS ADVISED WHEN USING PRODUCT IN CONFINED AREA.

SECTION III HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENTS | CAS NO. | % | HAZARD DATA | UN#
--- | --- | --- | --- | ---
HEXANE, 1,6 DIISOCYANATO-, HOMOPOLYMER | 28182-81-2 | 85-95% | ACGIH TLV 0.005 PPM | N/A
BUTYL ACETATE | 123-86-4 | 1-5% | OSHA HAZARD: FLAMMABLE LIQUID | 1123
OSHA PEL: 150 ppm | ACGIH TLV: 150 ppm
SOLVENT NAPHTHA (Petroleum), LIGHT AROMATIC | 64742-95-6 | 1-5% | OSHA HAZARD: COMBUSTIBLE LIQUID | 1268
OSHA PEL: 150 ppm | ACGIH TLV 50ppm
PERFORMANCE ADDITIVES, VAR | N/A | 1-5% | N/A | N/A
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 Z1: 50ppm (TWA) | 1993
ACGIH TLV: 25ppm (TWA)
XYLENES | 1330-20-7 | <2.2% | OSHA Z1: 100ppm (TWA) | 1307
ACGIH TLV: 100ppm (TWA)
NIOSH REL: 100 ppm (TWA)
CUMENE | 98-82-8 | <1.1% | OSHA Z1: 50ppm (TWA) | 1918
ACGIH TLV: 50ppm (TWA)

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 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: 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 IONIZATION. 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: USE PROPER GROUNDING.

ELECTRO-STATIC ACCUMULATION 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 IONIZATION AND FLASH BACK. KEEP WORK AREAS FREE OF HOT METAL SURFACES AND OTHER SOURCES OF IONIZATION. 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 (FLAMES, Pilot LIGHTS, ELECTRICAL SPARKS). PREVENT ADDITIONAL DISCHARGE OF MATERIAL; IF POSSIBLE TO DO SO WITHOUT HAZARD. FOR SMALL SPILLS, IMPLEMENT CLEANUP PROCEDURES. FOR LARGE SPILLS, IMPLEMENT CLEAN UP PROCEDURES AND, IF IN PUBLIC AREA, KEEP PUBLIC AWAY AND ADVISE AUTHORITIES. DIKE SPILL AREA WITH SAND OR EARTH TO CONTAIN SPILLED LIQUID AND PREVENT SPREADING. DO NOT USE COMBUSTIBLE MATERIALS SUCH AS SAWDUST. PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID CAN BE TAKEN UP ON SAND, EARTH, FLOOR ABSORBENT, OR WITH ANOTHER SUITABLE ABSORBENT 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 EMBOTTLED SINCE EMBOTTLED 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 UNDESIRABLE 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 AUTO FROM HIGH TEMPERATURES, OPEN FLAMES, SPARKS, SOURCES OF IONIZATION, 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-WIGHTED TVL RANGES. IF LOCAL VENTILATION PROVES INADEQUATE TO MAINTAIN SAFE VAPOR CONCENTRATIONS, SUPPLEMENTAL LOCAL EXHAUST MAY BE REQUIRED. OTHER GENERAL 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 TVL: USE OF OSHA APPROVED CARTRIDGE RESPIRATOR OR GAS MASK OR AIR-PACK. CHEMICAL CARTRIDGE RESPIRATOR: HALF MASK ORGANIC VAPOR CARTRIDGE. FULL FACE ORGANIC VAPOR CARTRIDGE IF EYE PROTECTION IS NEEDED.
EYES: CHEMICAL GOGGLES AND/OR FACe SHIELD ARE RECOMMENDED TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY.
GLOVES: THE USE OF IMPERMEABLE GLOVES IS ADVISED TO PREVENT SKIN IRRITATION IN SENSITIVE INDIVIDUALS. IMPERVIOUS GLOVES (CHEMICAL RESISTANT) SUCH AS NEOPRENE, LATEX OR PVA.

OTHER CLOTHING AND EQUIPMENT: TO PREVENT BODY CONTACT, IMPERVIOUS CLOTHING AND BOOTS ARE RECOMMENDED. IMPERVIOUS APRONS AND HELMETS (HEAD COVER) ARE RECOMMENDED WHEN WORKING WITH THIS PRODUCT. THE AVAILABILITY OF EYE WASHES AND SAFETY SHOWER 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>145°C / 293°F</td>
</tr>
<tr>
<td>Melting Point</td>
<td>77°C / 170°F</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>15 mmHg @ 25°C / 77°F (BuAc)</td>
</tr>
<tr>
<td>Vapour Density (Air = 1)</td>
<td>4.0 (BuAc)</td>
</tr>
<tr>
<td>Solubility in Water % by Vol</td>
<td>10-30%</td>
</tr>
<tr>
<td>Evaporation Rate (BuAc = 1)</td>
<td>1 = Butyl Acetate</td>
</tr>
<tr>
<td>Specific Gravity (H2O = 1)</td>
<td>1.12</td>
</tr>
<tr>
<td>pH (AS IS)</td>
<td>N/A</td>
</tr>
<tr>
<td>pH (1% Solution)</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

- **Acute Toxicity**
  - Oral LD50: N/A
  - LD50 – Rat – 900 mg/kg
  - Inhalation LC50: N/A
  - LC50 – Rat – 4HRS – 2730 mg/kg
  - Remarks: Sense organs and specula senses (nose, eyes, ear, and taste).
  - Odor: Sweet solvent odor with aromatic or slightly sweet solvent odor

- **Other Information on Acute Toxicity:**
  - N/A

- **Skin Corrosion/Irritation:**
  - Non data available

- **Serious Eye Damage/Eye Irritation:**
  - Non data available

- **Respiratory or Skin Sensitization:**
  - Mya cause allergic skin reaction

- **Germ Cell Mutagenicity:**
  - Non data available

- **Carcinogenicity**
  - IARC: 3-group not classifiable as to its carcinogenicity to humans (butyl acetate)
  - NTP: N/A
  - 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.

- **Reproductive Toxicity**
  - Reproductive Toxicity – Rat – Inhalation
  - 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

- **Teratogenicity**
  - Specific Target Organ: Non data available
  - Toxicity: May cause respiratory irritation

- **Specific Target Organ Toxicity**
  - Reproductive Toxicity – Rat – Inhalation
  - Non data available

- **Aspiration Hazard**
  - Specific Target Organ Toxicity: May cause respiratory irritation

- **Signs and Symptoms of Exposure**
  - Respiratory tract irritation.
  - Other, lungs, thorax or respiration: Dyspnea

- **Synergistic Effects**
  - N/A

- **Additional Information**
  - RTECS: UD3150000

SECTION XII ECOLOGICAL INFORMATION

- **Toxicity**
  - Toxicity to Fish
  - LC50 – Inchohynchus Mykiss (Rainbow Trout) – 5.2 m/l – 96 hrs.
  - Toxicity to Daphnia and other aquatic invertebrates
  - EC50 - Daphnia Magna (water flea) – 8.2 mg/l – 48 hrs.

- **Persistence and Degradability**
  - Bioaccumulative Potential: No data available

- **Mobility in Soil**
  - No data available

- **PBT and vPvB Assessment**
  - Other adverse: An environmental hazard

CARCINOGENICITY

- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
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 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 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

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HMIS HAZARD RATINGS:

This information is for people trained in:


<table>
<thead>
<tr>
<th>Key</th>
<th>Powercoat UV+ HD Part B Pigmented</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 – Severe</td>
<td>NPCA-HMIS: 3 NFPA 704: 3</td>
</tr>
<tr>
<td>2 – Moderate</td>
<td>2</td>
</tr>
<tr>
<td>1 – Slight</td>
<td>1</td>
</tr>
<tr>
<td>0 – Minimal</td>
<td>0</td>
</tr>
</tbody>
</table>

**HEALTH** 2 2

**FLAMMABILITY** 3 3

**REACTIVITY** 0 0