AND OTHER PROTECTIVE EQUIPMENT IS ADVISED WHEN HANDLING THIS
INDUCE VOMITING: USE OF SOLVENT RESISTANT GLOVES, GOGGLES
USE ONLY WITH ADEQUATE VENTILATION: IF SWALLOWED, DO NOT
CAUSE DROWSINESS OR DIZZINESS
AND VAPOR. CAUSES SERIOUS EYE IRRITATION, MAY

PRODUCT IDENTIFICATION:
POWERCOAT EPOXY LD FT PIGMENTED PART A
VOC CONTENT: <340 GRAMS/LITER OR <2.83 #/GAL.
CATEGORY: INDUSTRIAL MAINTENANCE COATING (OTC 340 g/L)
COMMON NAME: EPOXY COATING
MANUFACTURER: VEXCON CHEMICALS, INC.
ADDRESS: 7240 STATE RD., PHILA., PA 19135 USA
EMERGENCY NO: 1-215-332-7708 (Vexcon)
CHEMTREC NO: 1-800-424-9300 (CCN#23822)
PREPARED: AUGUST 2003
UPDATED: NOVEMBER 2017
PREPARED BY: DARRYL F. MANUEL, PRESIDENT

CLASSIFICATION OF MIXTURE:
FLAMMABLE LIQUID – CATEGORY 2
SERIOUS EYE DAMAGE/EYE IRRITATION – CATEGORY 2A
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - CATEGORY 3
SINGLE WORD: DANGER
HAZARD STATEMENTS: HIGHLY FLAMMABLE LIQUID
AND VAPOR. CAUSES SERIOUS EYE IRRITATION, MAY
CAUSE DROWSINESS OR DIZZINESS
PRECAUTIONARY STATEMENTS: FLAMMABLE OR COMBUSTIBLE LIQUID:
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>2503-6-16-2</td>
<td>45-65</td>
<td>ND</td>
<td>1903</td>
</tr>
<tr>
<td>ACETONE</td>
<td>67-64-1</td>
<td>20-30</td>
<td>OSHA HAZARD / DOT LABEL: FLAMMABLE LIQUID OSHA VPEL: 750 ppm TWA ACGIH TLV: 500 ppm TWA NIOSH REL: 25 ppm</td>
<td>1090</td>
</tr>
<tr>
<td>SOLVENT NAPHTHA (Petroleum), LIGHT AROMATIC (AROMATIC 100)</td>
<td>64742-95-6</td>
<td>10-20</td>
<td>TLV 50ppm OSHA HAZARD: COMBUSTIBLE LIQUID EXXONMOBIL RCP 19ppm (TWA)</td>
<td>1268</td>
</tr>
</tbody>
</table>

SAFETY DATA SHEET
VEXCON NO. CP105
POWERCOAT EPOXY LD FT PIGMENTED PART A

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

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>%</th>
<th>HAZARD DATA</th>
<th>UN#</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,4-TRIMETHYL BENZENE (PSEUDOCUMENE )</td>
<td>&lt;32.0</td>
<td>DOT LABEL: FLAMMABLE LIQUID OSHA PEL Not Estab. ACGIH TLV 50 ppm (TWA) NIOSH REL: 25 ppm (TWA) SARA SECTION 313</td>
<td>1993</td>
</tr>
<tr>
<td>XXYLENES</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 1307</td>
<td></td>
</tr>
<tr>
<td>CUMENE</td>
<td>&lt;1.1</td>
<td>OSHA Z1 50ppm (TWA) ACGIH TLV 50ppm (TWA) SARA SECTION 313 1918</td>
<td></td>
</tr>
</tbody>
</table>

PIGMENTS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>%</th>
<th>HAZARD DATA</th>
<th>UN#</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCIUM CARBONATE</td>
<td>1317-65-3</td>
<td>OSHA PEL: 5.0 mg/m³ RESP OSHA TWA: 15.0 mg/m³ TOTAL</td>
<td>N/A</td>
</tr>
<tr>
<td>SILICA</td>
<td>14808-60-7</td>
<td>ACGIH TWA: 0.05 mg/m³ RESP OSHA TWA: 0.1 mg/m³ TOTAL OSHA PEL: 5 mg/m³ RESP OSHA PEL: 15 mg/m³ TOTAL</td>
<td>N/A</td>
</tr>
</tbody>
</table>

ADDITIONAL PIGMENTS VARY BY PRODUCT
COLOR
N/A 1-5 OSHA PEL: 15mg/m³ (total dust) ACGIH TLV: 15mg/m³ (total dust) N/A

SECTION IV FIRST AID MEASURES

HEALTH HAZARD DATA HAZARD CLASSIFICATION
BASIS FOR CLASSIFICATION SOURCE

ROUTES OF EXPOSURE:

INHALATION: THIS PRODUCT MAY CREATE BREATHING DIFFICULTIES. DIZZINESS. LIGHTHEADEDNESS WHEN WORKING IN AREAS WITH HIGH VAPOR CONCENTRATION. ACETONE COMPONENT AND AROMATIC SOLVENT COMPONENT.

SKIN CONTACT: THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT. ACETONE COMPONENT AND AROMATIC SOLVENT COMPONENT.

SKIN ABSORPTION: THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT. ACETONE COMPONENT AND AROMATIC SOLVENT COMPONENT.

EYE CONTACT: THIS PRODUCT MAY BE AN EYE IRRITANT. ACETONE COMPONENT AND AROMATIC SOLVENT COMPONENT.

INGESTION / INHALATION:

EFFECTS OF OVEREXPOSURE: TLV 50 ppm AR-100 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 CAUSE A CLAY AND DEFAT THE SKIN POSSIBLY CAUSING DERMATITIS.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, CONSULT A PHYSICIAN.

SKIN: WASH WITH SOAP AND LARGE QUANTITIES OF WATER. SEEK MEDICAL ATTENTION IF SKIN IRRITATION DEVELOPS AND PERSISTS.

INHALATION: MOVE PERSON 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 PROMPT MEDICAL ATTENTION.

SECTION VII HANDLING AND STORAGE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: ELIMINATE SOURCES OF IGNITION (FLAMES, FLAMES, PILOT LIGHTS, ELECTRICAL SPARKS). PERSONS NOT WEARING PROTECTIVE CLOTHING SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP IS COMPLETE. PREVENT ADDITIONAL DISCHARGE OF MATERIAL. IF POSSIBLE TO DO SO WITHOUT HAZARD, FOR SMALL SPILLS, IMPLEMENT CLEAN UP 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 COMFORMITY TO EPA, FEDERAL, STATE, AND LOCAL DISPOSAL REGULATIONS.

PRECAUTIONARY STATEMENTS: PERSONAL PROTECTIVE EQUIPMENT SHOULD BE AVOIDED, SHOULDN'T BE MADE, REMOVED, AND OR CONSUMED FOOD, DRINK, OR CIGARETTE 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): 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 MOUTH PROOF EQUIPMENT IS HIGHLY ADVISABLE.

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 PVC.

OTHER CLOTHING AND EQUIPMENT: TO PROTECT 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 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>TOXICOLOGICAL INFORMATION</th>
<th>ORAL RAT LD50: 5600 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>INHALATION RAT LC50: 50, 100 mg/kg</td>
</tr>
<tr>
<td></td>
<td>IRRITATION EYES: RABBIT, STANDARD DRAIZE, 20 mg SEVERE</td>
</tr>
<tr>
<td></td>
<td>INVESTIGATED AS A TUMORIGEN, MUTAGEN, AND REPRODUCTIVE EFFECTOR</td>
</tr>
<tr>
<td></td>
<td>PRODUCT NOT KNOWN TO BE A CARCINOGEN</td>
</tr>
</tbody>
</table>

SECTION XII ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE

SOIL
WHEN RELEASED INTO THE SOIL, THIS MATERIAL IS EXPECTED TO BE READILY BIODEGRADABLE.

WATER
WHEN RELEASED INTO WATER, THIS MATERIAL IS EXPECTED TO BE READILY BIODEGRADABLE.

WHEN RELEASED INTO WATER THIS MATERIAL IS EXPECTED TO BE QUICKLY EVAPORATE.

THIS MATERIAL HAS A LOG OCTANOL-WATER PARTITION COEFFICIENT OF LESS THAN 3.0.

THIS MATERIAL IS NOT EXPECTED TO SIGNIFICANTLY BIOACCUMULATE.

AIR
WHEN RELEASED INTO THE AIR THIS MATERIAL MAY BE MODERATELY DEGRAGED BY REACTION WITH PHOTOCHEMICALLY PRODUCED HYDROXYL RADICALS.

WHEN RELEASED INTO THE AIR THIS MATERIAL MAY BE MODERATELY DEGRAGED BY PHOTOLYSIS.

WHEN RELEASED INTO THE AIR THIS MATERIAL

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 LANDFILL 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 SOLUTIO N</td>
<td>3</td>
<td>II</td>
<td>ORM D – Max 30Kg gross wt (66lbs)</td>
</tr>
<tr>
<td>IATA</td>
<td>AIR</td>
<td>1866</td>
<td>RESIN SOLUTIO N</td>
<td>3</td>
<td>II</td>
<td>Passenge r Aircraft - 5L, Cargo Aircraft - 60L</td>
</tr>
<tr>
<td>IMDG</td>
<td>OCEAN</td>
<td>1866</td>
<td>RESIN SOLUTIO N</td>
<td>3</td>
<td>II</td>
<td></td>
</tr>
<tr>
<td>MARINE POLLUTANT</td>
<td></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). AND 67-64-1 (ACETONE).

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 (ACETONE).

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:

ACETONE IMMEDIATE, DELAYED, FIRE

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

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

CERCLA / RQ: 5000 POUNDS (ACETONE).

THIS PRODUCT CONTAINS A MATERIAL ON THE RQ TABLE (HMT 172.101 Appendix A) ACETONE 5000 LBS

TSCA: IS THIS PRODUCT, OR ALL ITS INGREDIENTS, BEING CERTIFIED FOR INCLUSION ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES? YES
# SECTION XVI OTHER INFORMATION

PREPARED BY: Darryl Manuel / President  
COMPANY: Vexcon Chemicals, Inc.  
ADDRESS: 7240 State Rd., Phila., PA 19135 USA

The information provided in this Material Safety Data Sheet has been obtained from sources believed to be reliable. Vexcon provides no warranties, expressed or implied, and assumes no responsibility for the accuracy or completeness of the information contained herein.

## HMIS Hazard Ratings:

This information is for people trained in:  
National Paint and Coatings Associations (NPCA)  
Hazardous Materials Identification System (HMIS)  
National Fire Protection Association (NFPA 704)  
Identification of Fire Hazards of Materials

<table>
<thead>
<tr>
<th>Material</th>
<th>NPCA-HMIS</th>
<th>NFPA 704</th>
</tr>
</thead>
<tbody>
<tr>
<td>Powercoat Epoxy LD Ft Pigmented Part A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Health | 1 | 1 |
| Flammability | 3 | 3 |
| Reactivity | 0 | 0 |

**Key**

- 4 – Severe  
- 3 – Serious  
- 2 – Moderate  
- 1 – Slight  
- 0 – Minimal
<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>BISPHENOL A EPOXY RESIN</td>
<td>25068-38-6</td>
<td>5-20%</td>
<td>NO</td>
<td>3082</td>
</tr>
</tbody>
</table>
| ACETONE                     | 67-64-1       | 80-95% | OSHA HAZARD / DOT LABEL: FLAMMABLE LIQUID  
                            |         |       | OSHA VPEL: 750 ppm  
                            |         |       | TWA ACGIH TLV: 500 ppm  
                            |         |       | TWA NIOSH REL: 250 ppm | 1090 |
### SECTION V FIREFIGHTING MEASURES

**Extinguishing Media:**
- **Carbon Dioxide:** Use to extinguish fire. Never use water or alkali base foam to extinguish the fire. Use dry chemical or CO₂ extinguisher.

**General Hazard:**
- **Flammable Liquid:** Can form combustible mixtures at temperatures at or above the flash point. 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 uncontrolled fires. If dead-end or empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

**Unusual Fire and Explosion Hazard:**
- This product is extremely flammable and explosive under normal conditions in the presence of flame or spark source. If storage containers are exposed to excessive heat, overpressurization of the containers can result.

**Special Fire Fighting Procedures:**
- Use self-contained breathing apparatus with full face piece operated in pressure-demand or other positive pressure mode. Use water spray to cool fire exposure 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). Those not wearing protective equipment should be excluded from area of spill until clean-up is complete. Prevent additional discharge of material; if possible to do so without hazard. For small spills, implement cleanup procedures. For large spill, implement clean up procedures and, if in public area, keep public away and advise authorities. 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 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 containers cool, dry, and away from sources of ignition. 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 temperature. 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. Impermeable gloves (chemical resistant) such as neoprene, latex or PVA.

**Other Clothing and Equipment:**
- To prevent body contact, imperious clothing and boots are recommended. Imperious 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:** (760mmHg)
- 56 C / 133 F (Acetone)

**Steam Pressure:**
- 226 mmHg@68°F/20°C (acetone)

**Vapor Pressure:**
- 0.815 (acetone)

**Specific Gravity:**
- 0.815

**Melting/Freezing Point:**
- -95 C / -139 F (acetone)

**Vapor Density:**
- 2.0 (acetone)

**Solubility in H2O % by wt:**
- 50 % Solubility by Vol.

**Evaporation Rate (BuAc):**
- 6.0  FAST (acetone)

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

**Specific Gravity:**
- 6.815

**Flash Point:**
- -17°C / 1.4°F (TCC) (acetone)

**Autoignition Temp:**
- 465°C / 869°F (acetone)

**Flammable Limits in Air,**
- **Lower: 2.5%**
- **Upper: 12.8%** (acetone)
SECTION X STABILITY AND REACTIVITY

CONDITIONS CONTRIBUTING TO INSTABILITY:

This product is stable under recommended storage conditions. Avoid temperatures above 300°C (572°F). Potentially violent decomposition can occur above 350°C (662°F). Generation of gas during decomposition can cause pressure in closed systems. Pressure build-up can be rapid.

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.

INCOMPATIBILITY:

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

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, II</td>
<td>ORD - Max 30 Kg (66 lbs)</td>
<td></td>
</tr>
<tr>
<td>IATA</td>
<td>AIR</td>
<td>1866</td>
<td>RESIN SOLUTION</td>
<td>3, II</td>
<td>Passenger Aircraft - 520 L, Cargo Aircraft - 66 L</td>
<td></td>
</tr>
<tr>
<td>IMDG</td>
<td>OCEAN</td>
<td>1866</td>
<td>RESIN SOLUTION</td>
<td>3, II</td>
<td>Marine Pollutant: This product does not contain a material on the marine pollutants table (HMT 172.101 Appendix B)</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 67-64-1 (acetone).

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 (acetone).

SARA TITLE III: Under the provisions of title III, Sections 311/312 of the superfund amendments and reauthorization act, this product is classified into the following hazard categories: Acetone immediate, delayed, fire.

ADDITIONAL REGULATORY CONCERNS: (Federal, FDA, USDA, CPSC, State, Other)

MARINE POLLUTANTS: This product does not contain a material on the marine pollutants table (HMT 172.101 Appendix B).

CERCLA / RQ: 5000 POUNDS (ACETONE). This product contains a material on the RQ table (HMT 172.101 Appendix A): acetone 5000 LBS

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.

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#### 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></th>
<th>NPCA-HMIS</th>
<th>NFPA 704</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Powercoat Epoxy</strong></td>
<td>4 -- Severe</td>
<td></td>
</tr>
<tr>
<td><strong>LD FT Pigmented Part B</strong></td>
<td>3 -- Serious</td>
<td></td>
</tr>
</tbody>
</table>

#### Key

- **4** – Severe
- **3** – Serious
- **2** – Moderate
- **1** – Slight
- **0** – Minimal

<table>
<thead>
<tr>
<th>Component</th>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Powercoat Epoxy</strong></td>
<td>1</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

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**Note:** The HMIS hazard ratings reflect the severity of health, flammability, and reactivity for the specified product.