SAFETY DATA SHEET
VEXCON NO. CP112
POWERCOAT EPOXY LD WB
CLEAR PART A

SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:
POWERCOAT EPOXY LD WB CLEAR PART A

VOC CONTENT: <250 GRAMS/LITER OR <2.09 #/GAL

COMMON NAME: EPOXY PAINT

MANUFACTURER: VEXCON CHEMICALS, INC

ADDRESS: 7240 STATE RD, PHILADELPHIA, PA 19135

MANUFACTURER: VEXCON CHEMICALS, INC

ENCORE NO: 800.858.2828 (PolySat Inc)

TELEPHONE NO: 215.332.7709 (Vexcon)

CHEMTREC NO: 215.332.7709 (Vexcon)

PREPARED: FEBRUARY 2007

UPDATED: NOVEMBER 2017

PREPARED BY: DARRYL F. MANUEL, PRESIDENT

Hazard Rating

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>REACTIVITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
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SECTION II - HAZARD IDENTIFICATION

CLASSIFICATION OF MIXTURE

FLAMMABLE LIQUID – CATEGORY 4
ASPIRATION - CATEGORY 1
SPECIFIC TARGET ORGAN TOXICANT (CENTRAL NERVOUS SYSTEM) – CATEGORY 3
SPECIFIC TARGET ORGAN TOXICANT (RESPIRATORY IRRITANT) – CATEGORY 3

SINGLE WORD: WARNING

HAZARD STATEMENT: UNDER NORMAL CONDITIONS OF USE, THIS PRODUCT IS NOT CONSIDERED HAZARDOUS ACCORDING TO REGULATORY GUIDELINES.

PRECAUTIONARY STATEMENT: UNDER NORMAL CONDITIONS OF INTENDED USE, THIS PRODUCT DOES NOT POSE A RISK TO HEALTH. EXCESSIVE EXPOSURE MAY RESULT IN EYE, SKIN OR RESPIRATORY IRRITATION. USE WITH ADEQUATE VENTILATION. DO NOT INDUCE VOMITING IF SWALLOWED. USE OF SOLVENT RESISTANT GLOVES, GOGGLES AND OTHER PROTECTIVE CLOTHING IS ADVISED WHEN HANDLING THIS PRODUCT. THIS PRODUCT IS AN ORGANIC LIQUID AND WATER EMULSION. PER NFP 30 THIS MIXTURE WITH A FLASH POINT GREATER THAN 200 F IS A CLASS III B COMBUSTIBLE LIQUID. ALL PRECAUTIONS PROVIDED ARE FOR THE ORGANIC LIQUID PORTION OF WHICH THIS PRODUCT MAY CONTAIN AS LITTLE AS 5%. USE WITH ADEQUATE VENTILATION. DO NOT INDUCE VOMITING IF SWALLOWED. USE OF SOLVENT RESISTANT GLOVES, GOGGLES AND OTHER PROTECTIVE CLOTHING IS ADVISED WHEN HANDLING THIS PRODUCT. KEEP FROM FREEZING.

SECTION III - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS NO</th>
<th>MAX %</th>
<th>HAZARD DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene</td>
<td>100-42-5</td>
<td>5-15%</td>
<td>N/A</td>
</tr>
<tr>
<td>Acrylate</td>
<td>108-94-7</td>
<td>15-30%</td>
<td>UN# 100</td>
</tr>
<tr>
<td>Polymer</td>
<td>25006-16-2</td>
<td>15-30%</td>
<td>NO</td>
</tr>
<tr>
<td>Solvent Naphtha</td>
<td>64742-95-6</td>
<td>5-15%</td>
<td>OSHA HAZARD: COMBUSTIBLE LIQUID</td>
</tr>
<tr>
<td>Petroleum, Light Aromatic</td>
<td>64742-95-6</td>
<td>5-15%</td>
<td>N/A</td>
</tr>
<tr>
<td>Emulsifiers, Performance Additives</td>
<td>N/A</td>
<td>1-5%</td>
<td>N/A</td>
</tr>
<tr>
<td>Epoxy Hardener</td>
<td>N/J/R/K 076060-00-25111</td>
<td>TRADE SECRET</td>
<td>ACGIH TLV 0.1mg/m^3 (skin)</td>
</tr>
<tr>
<td>Water</td>
<td>100-42-5</td>
<td>N/D</td>
<td>UN# 100</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>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,4-Trimethyl Benzene (Pseudocumene)</td>
<td>95-63-6</td>
<td>&lt;32.0%</td>
<td>DOT LABEL: FLAMMABLE LIQUID</td>
</tr>
<tr>
<td>Xylenes</td>
<td>100-42-5</td>
<td>&lt;32.0%</td>
<td>DOT LABEL: FLAMMABLE LIQUID</td>
</tr>
<tr>
<td>Cumene</td>
<td>123-63-0</td>
<td>&lt;11%</td>
<td>DOT LABEL: FLAMMABLE LIQUID</td>
</tr>
</tbody>
</table>

SECTION IV - FIRST AID MEASURES

HEALTH HAZARD DATA HAZARD CLASSIFICATION

<table>
<thead>
<tr>
<th>ROUTES OF EXPOSURE:</th>
<th>INHALATION:</th>
<th>SKIN CONTACT:</th>
<th>SKIN ABSORPTION:</th>
<th>EYE CONTACT:</th>
<th>INGESTION / INHALATION:</th>
</tr>
</thead>
<tbody>
<tr>
<td>INHALATION:</td>
<td>INHALATION OF HIGH VAPOR CONCENTRATION MAY HAVE RESULTS RANGING FROM DIZZINESS AND HEADACHES TO UNCONSCIOUSNESS, THIS PRODUCT MAY CREATE BREATHING DIFFICULTIES. DIZZINESS, LIGHTHEADEDNESS WHEN WORKING IN AREAS WITH HIGH VAPOR CONCENTRATION. VAPOR INHALATION CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA OR HEADACHE.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SKIN CONTACT:</td>
<td>THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SKIN ABSORPTION:</td>
<td>THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EYE CONTACT:</td>
<td>THIS PRODUCT MAY BE AN EYE IRRITANT.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INGESTION / INHALATION:</td>
<td>TLY 50 ppm AR-100 ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS. LIQUIDS MODERATELY IRRITATING ON SKIN AND EYES.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF OVEREXPOSURE:</td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACUTE OVEREXPOSURE:</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
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 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.

**GENERAL HAZARD:**
- Combustible liquid. Can form combustible mixtures at temperatures at or above the flash point. Static discharge. Material can accumulate static charges which can cause an 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, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty drums should be cleaned, 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, overpressurization of the containers can result.
- Vapors are heavier than air and may travel along the ground or through ventilation systems. Considerable distance to a source of ignition and flash back.
- Keep work areas free of hot metal surfaces and other sources of ignition.

**SPECIAL FIRE FIGHTING PROCEDURES:**
- The use of self-contained breathing apparatus with full face piece operated in pressure-demand or other positive pressure mode should be provided for 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 prevent personnel from becoming "fuel." Supply from fire.
- Avoid spreading burning liquid with water used for cooling purposes.

SECTION VI ACCIDENTAL RELEASE MEASURES

**AQUATIC TOXICITY (e.g. 96 Hr. TLM):** Do not discharge this product into public waters without authorization unless authorized by the national pollution discharge elimination system (NPDES) permit issued by the environmental protection agency (EPA).

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Eliminate sources of ignition (flares, flames, pilot lights, electrical sparks). Persons 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 cleanup 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:**
- Personal 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 cool, become 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 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. Impervious gloves, (chemical resistant) such as neoprene, latex or pva.

**OTHER CLOTHING AND EQUIPMENT:** To prevent body contact, impermeable clothing and boots are recommended. Impermeable 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) 99 C / 210 F
**MELTING/FREEZING POINT:** -14 C / 7 F (AR100)
**VAPOR PRESSURE:** 1.97 mmHg@68°F/20°C (AR100)
**VAPOR DENSITY (AIR=1):** 4.2 (AR100)
**SOLUBILITY IN H2O % BY WT:** SOLUBLE
**% VOLATILES BY VOL:** 40-60%
**EVAPORATION RATE (BuAc=1):** 0.27 SLOW (AR100)
**SPECIFIC GRAVITY (H2O=1):** 1.01
**PH (AR100):** 8.5 to 9.5 TYPICAL
**PH (1% SOLN):** N/A
**APPEARANCE AND ODOR:** Milky white emulsion with aromatic solvent odor.

**FLASH POINT:** (TEST METHOD) >100°C / >212°F
**AUTOIGNITION TEMPERATURE:** 479°C / 894°F (AR100)
**FLAMMABLE LIMITS IN AIR, %**
- LOWER: 0.9%
- UPPER: 6.2% (AR100)

**PHYSICIANAL HYDROGEN SULFIDE:** Milky white emulsion with aromatic odor.
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:

TOXICITY: LD50, 3000mg/kg
MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS. BASED ON TEST DATA FOR THE MATERIAL.

IRRITATION:

DATA AVAILABLE
MINIMALLY TOXIC. BASED ON TEST DATA FOR STRUCTURALLY SIMILAR MATERIALS.

INGESTION TOXICITY: LD50, 3000mg/kg
MINIMALLY TOXIC. BASED ON TEST DATA FOR STRUCTURALLY SIMILAR MATERIALS.

SKIN TOXICITY: LD50 >3160 mg/kg
MINIMALLY TOXIC. BASED ON TEST DATA FOR THE MATERIAL.

IRRITATIONS DATA AVAILABLE
MILDLY IRRITATING TO SKIN WITH PROLONGED EXPOSURE. BASED ON TEST DATA FOR THE MATERIAL.

EYE DATA AVAILABLE
MAY CAUSE MILD, SHORT-LASTING DISCOMFORT TO EYES. BASE ON TEST DATAT FOR THE MATERIAL.

CHRONIC/OTHER EFFECTS

FOR THE PRODUCT ITSELF: VAPOR AEROSOL CONCENTRATIONS ABOVE RECOMMENDED EXPOSURE LEVELS ARE IRRITATING TO THE EYES AND RESPIRATORY TRACT. MAY CAUSE HEADACHES, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING DEATH. PROLONGED AND/OR REPEATED SKIN CONTACT WITH LOW VISCOSITY MATERIALS MAY DEPIT THE SKIN RESULTING IN POSSIBLE IRRITATION AND DERMATITIS. SMALL AMOUNTS OF LIQUID ASPERATED INTO THE LUNGS DURING INGESTION OR FROM VOMITING MAY CAUSE CHEMICAL PNEUMONITIS OR PULMONARY EDEMA.

CONTAINS CUMENE: REPEATED INHALATION EXPOSURE OF CUMENE VAPOR PRODUCED DAMAGE IN KIDNEY OF MALE RATS ONLY. THE EFFECTS ARE BELIEVED TO BE SPECIES SPECIFIC NAD ARE NOT RELEVANT TO HUMANS.

SECTION XII ECOTOXICITY INFORMATION

ECOTOXICITY: MATERIAL EXPECTED TO BE MINOR EFFECTS ON AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

MOBILITY: MATERIAL Heights VOLATILE. WILL PARTITION RAPIDLY TO AIR. NOT EXPECTED TO PARTITION TO SEDIMENT AND WASTEWATER SOLIDS.

SECTION XIII DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: IF POSSIBLE, PUMP TO CONTROLLED CONTAINMENT AREA. ABSORB ON CLAY OR SAND. DISPOSE OF IN COMPLIANCE WITH EPA, FEDERAL, STATE, AND LOCAL REGULATIONS. TREATMENT, TRANSPORTATION AND DISPOSAL MUST BE IN COMPLIANCE WITH 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

SECTION XV REGULATORY INFORMATION

TSCA: THE SOLVENT PORTION OF THIS PRODUCT IS LISTED ON THE TSCA INVENTORY AS A UVCB (UNKNOWN, VARIABLE COMPOSITION OR BIOLOGICAL) CHEMICAL AT CAS REGISTRY NUMBER 64742-95-6 (AROMATIC 100).

CERCLA: IF THE REPORTABLE QUANTITY OF THIS PRODUCT IS ACCIDENTALLY SPILLED, THE INCIDENT IS SUBJECT TO THE PROVISIONS OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA) AND MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER BY CALLING 1-800-424-8802 or 202-426-2675. NO REPORTABLE SPILL QUANTITY (RQ) HAS BEEN ESTABLISHED FOR THIS PRODUCT.

SARA TITLE 31: 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)

CERCLA / RQ: NONE ESTABLISHED.
THIS PRODUCT DOES NOT CONTAIN A MATERIAL ON THE RQ TABLE (HMT 172.101 APPENDIX B) AROMATIC 100.

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.

<table>
<thead>
<tr>
<th>HMIS HAZARD RATINGS:</th>
<th>KEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>THIS INFORMATION IS FOR PEOPLE TRAINED IN:</td>
<td>4 -- SEVERE</td>
</tr>
<tr>
<td>NATIONAL PAINT AND COATINGS ASSOCIATIONS (NPCA)</td>
<td></td>
</tr>
<tr>
<td>HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)</td>
<td></td>
</tr>
<tr>
<td>NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 704)</td>
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</tr>
<tr>
<td>IDENTIFICATION OF FIRE HAZARDS OF MATERIALS</td>
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</table>

<table>
<thead>
<tr>
<th>POWERCOAT EPOXY LD WB CLEAR PART A</th>
<th>NPCA-HMIS</th>
<th>NFPA 704</th>
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<tbody>
<tr>
<td>HEALTH</td>
<td>2</td>
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</tr>
<tr>
<td>FLAMMABILITY</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>REACTIVITY</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

2 -- MODERATE
1 -- SLIGHT
0 -- MINIMAL
SAFETY DATA SHEET  
VEXCON NO.CP112
POWERCOAT EPOXY LD WB CLEAR PART B

SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:
POWERCOAT EPOXY LD WB CLEAR PART B
VOC CONTENT: <250 GRAMS/LITER OR <2.09 #/GAL
CATEGORY: FLOOR COATINGS
COMMON NAME: EPOXY PAINT
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: MAY 1996
UPDATED: NOVEMBER 2017
PREPARED BY: DARRY F. MANUEL, PRESIDENT

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

SINGLE WORD: DANGER

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

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

PRECAUTIONARY STATEMENT: FLAMMABLE USE ONLY WITH ADEQUATE VENTILATION: IF SWALLOWED, DO NOT INDUCE VOMITING: USE OF SOLVENT RESISTANT GLOVES, GOGGLES AND OTHER PROTECTIVE EQUIPMENT IS ADVISED WHEN HANDLING THIS PRODUCT: ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL: USE OF RESPIRATORS IS ADVISED WHEN USING PRODUCT IN CONFINED AREA. KEEP AWAY FOR HEAT/SPARKS/OPEN FLAMES/HOT SURFACES – NO SMOKING

SECTION II – HAZARD IDENTIFICATION

HEALTH HAZARD DATA HAZARD CLASSIFICATION

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>BIPSHELON EPOXY RESIN</td>
<td>20588-38-6</td>
<td>50-70%</td>
<td>N/D</td>
<td>3982</td>
</tr>
<tr>
<td>SOLVENT NAPHTHA (Petroleum), LIGHT AROMATIC</td>
<td>64742-95-6</td>
<td>30-50%</td>
<td>TLV 50ppm</td>
<td>1268</td>
</tr>
<tr>
<td>ETHYLENE GLYCOL MONOPROPYL ETHER (PROPYL CELLOSOLVE)</td>
<td>2807-30-9</td>
<td>1-5%</td>
<td>OSHA HAZARD: COMBUSTIBLE LIQUID</td>
<td>1993</td>
</tr>
<tr>
<td>EMULSIFIERS, PERFORMANCE ADDITIVES</td>
<td>N/A</td>
<td>0-5%</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>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,4-TRIMETHYL BENZENE (PSEUDOCUMENE)</td>
<td>95-63-6</td>
<td>&lt;32.0%</td>
<td>DOT LABEL: FLAMMABLE LIQUID OSHA PEL Not Estab. ACIGH TLV 25 ppm (TWA) NIOSH REL: 25 ppm (TWA) SARA SECTION 313</td>
</tr>
<tr>
<td>XYLENES</td>
<td>1330-20-7</td>
<td>&lt;2.2%</td>
<td>DOT LABEL: FLAMMABLE LIQUID OSHA Z1 100ppm (TWA) ACIGH TLV 100ppm (TWA) NIOSH REL: 100 ppm (TWA) SARA SECTION 313 RQ 100 lbs</td>
</tr>
<tr>
<td>CUMENE</td>
<td>98-82-8</td>
<td>&lt;1.1%</td>
<td>OSHA Z1 50ppm (TWA) ACIGH TLV 50ppm (TWA) SARA SECTION 313</td>
</tr>
</tbody>
</table>

SECTION IV - FIRST AID MEASURES

HEALTH HAZARD DATA HAZARD CLASSIFICATION

ROUTE OF EXPOSURE:

INHALATION: THIS PRODUCT MAY CREATE BREATHING DIFFICULTIES. DIZZINESS, LIGHTHEADEDNESS WHEN WORKING IN AREAS WITH HIGH VAPOR CONCENTRATION.

SKIN CONTACT: THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.

SKIN ABSORPTION: THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.

EYE CONTACT: THIS PRODUCT MAY BE AN EYE IRRITANT.

INGESTION / INHALATION: 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: 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 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 to location free from vapors. If breathing is difficult, give oxygen. If artificial breathing stops, begin artificial respiration and seek immediate medical attention.

INGESTION: Do not induce vomiting; seek prompt medical attention.

SECTION V FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:

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, 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 DRY PRIOR TO PROPERLY DISPOSED OF.

GENERAL HAZARD:

IF STORAGE CONTAINERS ARE EXPOSED TO EXCESSIVE HEAT, 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.

USE PROPER GROUNDING

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

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).

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Eliminate sources of ignition (flares, flames, pilot lights, electrical sparks). Persons 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. Do not spill 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 EMPTY SINCE EMPTY CONTAINERS RETAIN PRODUCT RESIDUE (VAPOR, LIQUID AND/OR SOLID). ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET MUST BE OBSERVED.

FIRST AID: 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 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事實 CHEMICAL VAPOR CARTRIDGE, FULL FACE ORGANIC VAPOR CARTRIDGE IF EYE PROTECTION IS NEEDED.

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

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

SECTION IX PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: (750mmHg)

RANGE 161-171°C / 322-340°F (AR100)

MELTING/FREEZING POINT: -14°C / 7°F (AR100)

VAPOR PRESSURE: 1.97 mmHg at 20°C (AR100)

VAPOR DENSITY (AIR=1): 1.4 (AR100)

SOLUBILITY IN H2O % BY WT: 150-50%

% VOLATILES BY VOL: 100%

EVAPORATION RATE (BuAc=1): 0.27 SLOW (AR100)

SPECIFIC GRAVITY (H2O=1): 0.997

PH (AS IS): N/A

PH (1% SOLN): N/A

APPEARANCE AND ODOR: CLEAR LIQUID WITH AROMATIC SOLVENT ODOR

FLASH POINT: >42°C / 108°F (TCC) (AR100)

AUTOIGNITION TEMPERATURE: 147°C / 294°F (AR100)

FLAMMABLE LIMITS IN AIR: LOWER: 0.9% UPPER: 6.2% (AR100)
ACUTE TOXICITY:

TOXICITY: DATA AVAILABLE

INHALATION

IRRITATION: DATA AVAILABLE

MAY BE IRRITATING TO THE RESPIRATORY TRACT. THE EFFECTS ARE REVERSIBLE. BASED ON TEST DATA FOR STRUCTURALLY SIMILAR MATERIALS.

INGESTION

TOXICITY: LD50 3000 mg/kg

MINIMALLY TOXIC. BASED ON TEST DATA FOR STRUCTURALLY SIMILAR MATERIALS.

SKIN

TOXICITY: LD50 3160 mg/kg

MINIMALLY TOXIC. BASED ON TEST DATA FOR THE MATERIAL.

IRRITATIONS DATA AVAILABLE

MILKY IRRITATION TO SKIN WITH PROLONGED EXPOSURE. BASED ON TEST DATA FOR THE MATERIAL.

EYE

IRRITATION DATA AVAILABLE

MAY CAUSE MILD, SHORT-LASTING DISCOMFORT TO EYES. BASED ON TEST DATA FOR THE MATERIAL.

CHRONIC/OTHER EFFECTS

FOR THE PRODUCT ITSELF: VAPOR /AEROSOL CONCENTRATIONS ABOVE RECOMMENDED EXPOSURE LEVELS ARE IRRITATING TO THE EYES AND RESPIRATORY TRACT. MAY CAUSE HEADACHES, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS AND OTHER CENTRAL NERVOUS SYSTEMS EFFECTS INCLUDING DEATH. PROLONGED AND/OR REPEATED SKIN CONTACT WITH LOW VISCOSITY MATERIALS MAY DEPARE THE SKIN RESULTING IN POSSIBLE IRRITATION AND DERMATITIS. SMALL AMOUNTS OF LIQUID ASPIRATED INTO THE LUNGS DURING INGESTION OR FROM VOMITING MAY CAUSE CHEMICAL PNEUMONITIS OR PULMONARY EDEMA.

CONTAINS

CUMENE: REPEATED INHALATION EXPOSURE OF CUMENE VAPOR PRODUCED DAMAGE IN KIDNEY OF MALE RATS ONLY. THE EFFECTS ARE BELIEVED TO BE SPECIES SPECIFIC AND ARE NOT RELEVANT TO HUMANS.

SECTION XII ECOLOGICAL INFORMATION

ECOTOXICITY

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

MOBILITY

MATERIAL HIGHLY VOLATILE. WILL PARTITION RAPIDLY TO AIR. NOT EXPECTED TO PARTITION TO SEDIMENT AND WASTEWATER SOLIDS.

PERSISTENCE AND DEGRADABILITY

BIODEGRADATION

MATERIAL EXPECTED TO BE READILY BIODEGRADABLE

HYDROLYSIS

MATERIAL TRANSFORMATION DUE TO HYDROLYSIS NOT EXPECTED TO BE SIGNIFICANT.

PHOTOLYSIS

MATERIAL TRANSFORMATION DUE TO PHOTOLYSIS NOT EXPECTED TO BE SIGNIFICANT.

ATMOSPHERIC OXIDATION

MATERIAL EXPECTED TO DEGRADE RAPIDLY IN AIR.

SECTION XIII DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

IF POSSIBLE, PUMP TO CONTROLLED CONTAINMENT AREA. ABSORB ON CLAY OR SAND. DISPOSE OF IN COMPLIANCE WITH EPA, FEDERAL, STATE, AND LOCAL REGULATIONS. TREATMENT, TRANSFORMATION 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

Governing Body | Mode | UN Number | Proper Shipping Name | Hazard Class | Packing Group | Quantity Limitation
---|---|---|---|---|---|---
DOT | GROUND (NONBULK) | 1866 | RESIN SOLUTION | 3 | NA | NA
IATA | AIR | 1866 | RESIN SOLUTION | 3 | III | PAssenGER AIRCRAFT – 60L, Cargo Aircraft – 220L
IMDG | OCEAN | 1866 | RESIN SOLUTION | 3 | III | 

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.

NO REPORTABLE SPILL QUANTITY (RQ) HAS BEEN ESTABLISHED FOR THIS PRODUCT.

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)

CERCLA / RQ: NONE ESTABLISHED

THIS PRODUCT DOES NOT CONTAIN A MATERIAL ON THE RQ TABLE (HMT 172.101 Appendix A)

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

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

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<th>NFPA 704</th>
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<td>REACTIVITY</td>
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KEY
4 -- SEVERE
3 -- SERIOUS
2 -- MODERATE
1 -- SLIGHT
0 -- MINIMAL