

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

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>2</b>
<b>REACTIVITY</b>	<b>0</b>

SAFETY DATA SHEET  
 VEXCON NO. CP145  
**POWERCOAT UV+ WB  
 CLEAR & MATTE PART A**

**SECTION I - GENERAL INFORMATION**

<b>PRODUCT IDENTIFICATION:</b>	
<b>POWERCOAT UV+ W B CLEAR &amp; MATTE PART A</b>	
<b>VOC CONTENT:</b> AS APPLIED: <340 GRAMS/LITER OR <2.83#/GAL Part A Gloss ONLY: 288 g/L OR 2.40#/GAL Part A Matte ONLY: 336 g/L OR 2.80#/GAL Part B ONLY: 165 g/L OR 1.37#/GAL	
<b>CATEGORY:</b> INDUSTRIAL MAINTENANCE COATING	
<b>COMMON NAME:</b> URETHANE COATING	
<b>MANUFACTURER:</b>	<b>VEXCON CHEMICALS, INC.</b>
<b>ADDRESS:</b>	7240 STATE RD., PHILA., PA 19135 USA
<b>EMERGENCY NO:</b>	1-800-858-2828 (PolySat)
<b>TELEPHONE NO:</b>	1-215-332-7709 (Vexcon)
<b>CHEMTREC NO:</b>	1-800-424-9300 (CCN#23822)
<b>PREPARED:</b>	AUGUST 2011
<b>UPDATED:</b>	SEPTEMBER 2017
<b>PREPARED BY:</b>	DARRYL F. MANUEL, PRESIDENT

**SECTION II - HAZARD IDENTIFICATION**

**CLASSIFICATION OF MIXTURE:**

FLAMMABLE LIQUID - CATEGORY 4  
 ACUTE TOXICITY (INHALATION) - CATEGORY 4  
 ACUTE TOXICITY (DERMAL) - Category 4  
 SKIN IRRITATION - CATEGORY 2  
 EYE IRRITATION - CATEGORY 2A  
 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (RESPIRATORY SYSTEM) - CATEGORY 3  
 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE (LIVER, KIDNEY, CENTRAL NERVOUS SYSTEM) - CATEGORY 2  
 ASPIRATION HAZARD - CATEGORY 1

**SINGLE WORD:** DANGER

**HAZARD STATEMENTS:** FLAMMABLE LIQUID AND VAPOR. MAY BE FATAL IF SWALLOWED AND ENTER AIRWAYS. HARMFUL IN CONTACT WITH SKIN OR INHALED. CAUSES SKIN AND EYE IRRITATION, MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS. MAY CAUSE DAMAGE TO ORGANS.



**PRECAUTIONARY STATEMENTS:** FLAMMABLE 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. THIS PRODUCT IS AN ORGANIC LIQUID AND WATER EMULSION. PER NFPA 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 10%. 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**

MATERIAL OR COMPONENTS	CAS NO.	%	HAZARD DATA	UN#
VINYLTOLUENE ACRYLATE POLYMER	25085-34-1	40-60%	N/D	1993
XYLENES	1330-20-7	10-20%	OSHA Z1 100ppm (TWA) ACGIH TLV 100ppm (TWA) NIOSH REL 100 ppm (TWA)	1307
PERFORMANCE ADDITIVES (EMULSIFIERS, DRIERS, MATTING AGENTS IF MATTE)	N/D	1-10%	N/D	NONE
WATER	N/D	BAL	N/D	NONE
<b>THE AROMATIC SOLVENT (XYLENES) PORTION CONTAINS THE FOLLOWING SECTION 313 REPORTABLE INGREDIENTS:</b>				
XYLENES	1330-20-7	70-80% TYPICAL	OSHA Z1 100ppm (TWA) ACGIH TLV 100ppm (TWA) NIOSH REL 100 ppm (TWA) RQ 100 lbs	1307
ETHYL BENZENE	100-41-4	20-30% TYPICAL	OSHA Z1 100ppm (TWA) ACGIH TLV 100ppm (TWA) NIOSH REL 100 ppm (TWA) RQ 1000 lbs	1175

**SECTION IV FIRST AID MEASURES**

**HEALTH HAZARD DATA HAZARD CLASSIFICATION BASIS FOR CLASSIFICATION SOURCE**

**ROUTES OF EXPOSURE:**

<b>INHALATION:</b>	THIS PRODUCT MAY CREATE BREATHING DIFFICULTIES. DIZZINESS, LIGHTHEADEDNESS WHEN WORKING IN AREAS WITH HIGH VAPOR CONCENTRATION.
<b>SKIN CONTACT:</b>	THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.
<b>SKIN ABSORPTION:</b>	THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.
<b>EYE CONTACT:</b>	THIS PRODUCT MAY BE AN EYE IRRITANT.
<b>INGESTION / INHALATION:</b>	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.
<b>EFFECTS OF OVEREXPOSURE:</b>	TLV 100 ppm ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS. LIQUIDS MODERATELY IRRITATING ON SKIN AND EYES.

<b>ACUTE OVEREXPOSURE:</b>	ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS; MODERATE IRRITATION BY LIQUID TO SKIN AND EYES.
<b>EMERGENCY AND FIRST AID PROCEDURES:</b>	
<b>EYES:</b>	FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION.
<b>SKIN:</b>	WASH WITH SOAP AND LARGE QUANTITIES OF WATER. SEEK MEDICAL ATTENTION IF SKIN IRRITATION DEVELOPS AND PERSISTS.
<b>INHALATION:</b>	MOVE TO LOCATION FREE FROM VAPORS. IF BREATHING STOPS, BEGIN ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION.
<b>INGESTION:</b>	DO NOT INDUCE VOMITING; SEEK PROMPT MEDICAL ATTENTION.

### SECTION V FIREFIGHTING MEASURES

<b>EXTINGUISHING MEDIA:</b>	EXCLUDE AIR. FIRES INVOLVING THIS PRODUCT MAY BE CONTROLLED BY <b>REGULAR FOAM, CARBON DIOXIDE, DRY CHEMICALS OR WATER SPRAY</b> . 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.
<b>GENERAL HAZARD:</b>	<b>COMBUSTIBLE LIQUID</b> - CAN FORM COMBUSTIBLE MIXTURES AT TEMPERATURES AT OR ABOVE THE FLASH POINT. <b>STATIC DISCHARGE</b> - MATERIAL CAN ACCUMULATE STATIC CHARGES WHICH CAN CAUSE AN INCENDIARY ELECTRICAL DISCHARGE. <b>"EMPTY" CONTAINERS</b> 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.
<b>ELECTRO-STATIC ACCUMULATION HAZARD:</b>	<u>USE PROPER GROUNDING</u>
<b>UNUSUAL FIRE AND EXPLOSION HAZARD:</b>	IF STORAGE CONTAINERS ARE EXPOSED TO EXCESSIVE HEAT, <b>OVER PRESSURIZATION</b> OF THE CONTAINERS CAN RESULT. <b>VAPOR IS HEAVIER THAN AIR</b> AND MAY TRAVEL ALONG THE GROUND OR THROUGH VENTILATION SYSTEM CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. KEEP WORK AREAS <b>FREE OF HOT METAL</b> SURFACES AND OTHER SOURCES OF IGNITION.
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	THE USE OF <b>SELF-CONTAINED BREATHING APPARATUS</b> 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 <b>COOL WITH WATER SPRAY</b> IN ORDER TO PREVENT PRESSURE BUILD UP. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.

### SECTION VI ACCIDENTAL RELEASE MEASURES

<b>AQUATIC TOXICITY (E.G. 96 HR. TLM):</b> 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).
<b>STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:</b> 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 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

<b>PRECAUTIONARY STATEMENTS:</b> 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.
<b>FIRE FIGHTING:</b> 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.
<b>OTHER HANDLING AND STORAGE REQUIREMENTS:</b> 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

<b>VENTILATION REQUIREMENTS:</b> 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.
<b>RESPIRATORY (SPECIFY IN DETAIL):</b> 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.
<b>EYES:</b> CHEMICAL GOGGLES AND/OR FACE SHIELD ARE RECOMMENDED TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY.
<b>GLOVES:</b> THE USE OF IMPERMEABLE GLOVES IS ADVISED TO PREVENT SKIN IRRITATION IN SENSITIVE INDIVIDUALS. IMPERVIOUS GLOVES, (CHEMICAL RESISTANT) SUCH AS NEOPRENE, LATEX OR PVA.
<b>OTHER CLOTHING AND EQUIPMENT:</b> TO PREVENT BODY CONTACT, IMPERVIOUS CLOTHING AND BOOTS ARE RECOMMENDED. THE AVAILABILITY OF EYE WASHES AND SAFETY SHOWERS IN WORK AREAS IS RECOMMENDED.

### SECTION IX PHYSICAL / CHEMICAL CHARACTERISTICS

<b>BOILING POINT: (760mmHg)</b> 99°C / 210°F	<b>MELTING/FREEZING POINT:</b> -25°C / -13°F (Xylenes)
<b>VAPOR PRESSURE:</b> 8 mmHg@68°F/20°C (Xylenes)	<b>VAPOR DENSITY (AIR=1):</b> GREATER THAN AIR 3.7 (Xylenes)
<b>SOLUBILITY IN H2O % BY WT:</b> MISCIBLE	<b>% VOLATILES BY VOL:</b> 50-60%
<b>EVAPORATION RATE (BuAc=1):</b> SLOW 0.7 (Xylenes), LESS THAN BuAc	<b>SPECIFIC GRAVITY (H2O=1)</b> 1.02
<b>pH (AS IS):</b> 8.5	<b>pH (1% SOLN):</b> N/A
<b>APPEARANCE AND ODOR:</b> MILKY LIQUID EMULSION WITH PAINT SOLVENT ODOR, VARIOUS COLORS	
<b>FLASH POINT:</b> (TEST METHOD)	<b>44°C / 112°F (TCC)</b>
<b>AUTOIGNITION TEMP:</b>	464°C / 867°F (Xylenes)
<b>FLAMMABLE LIMITS IN AIR, % BY VOL:</b>	LOWER: 1.0% UPPER: 7.0% (Xylenes)

**SECTION X STABILITY AND REACTIVITY**

<b>CONDITIONS CONTRIBUTING TO INSTABILITY:</b>	THIS PRODUCT IS STABLE.
<b>INCOMPATIBILITY:</b>	THIS PRODUCT IS INCOMPATIBLE WITH STRONG OXIDIZING AGENTS, STRONG ACIDS OR BASES, AND SELECTED AMINES.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	THERMAL DECOMPOSITION IN THE PRESENCE OF AIR MAY YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE AND UNIDENTIFIED ORGANICS.
<b>CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION:</b>	N/A WILL NOT OCCUR

**SECTION XI TOXICOLOGICAL INFORMATION**

<b>ACUTE TOXICITY:XYLENE</b>	
<b>ACUTE ORAL TOXICITY</b>	LD50 (RAT MALE): 3,523 mg/kg METHOD: EU METHOS B.1 (ACUTE ORAL TOXICITY) GLP: NO
<b>ACUTE INHALATION TOXICITY</b>	LC50 (RAT MALE): 6700 ppm EXPOSURE TIME: 4 HOURS METHOD: DIRECTIVE 67/548/EEC, ANNEX V, B.2 ASSESSMENT: THE COMPONENT/MIXTURE IS MODERATELY TOXIC AFTER SHORT TERM INHALATION
<b>ACUTE DERMAL TOXICITY</b>	LD50 (RABBIT): 1,100 mg/kg ASSESSMENT: THE COMPONENT/MIXTURE IS MODERATELY TOXIC AFTER SINGLE CONTACT WITH SKIN.
<b>SKIN CORROSION/IRRITATION</b>	SPECIES: RABBIT EXPOSURE TIME: 24 HOURS RESULT: IRRITATING TO SKIN
<b>SERIOUS EYE DAMAGE/EYE IRRITATION</b>	SPECIES:RABBIT RESULT: IRRITATING TO EYES
<b>RESPIRATORY OR SKIN SENSITISATION</b>	REMARKS: NO DATA AVAILABLE
<b>GERM CELL MUTAGENICITY</b>	
<b>GENOTOXICITYIN VITRO</b>	TEST TYPE: CHROMOSOME ABERRATION TEST IN VITRO TEST SPECIES: CHINESE HAMSTER OVARY (CHO) METABOLIC ACTIVATION (IN VITRO MAMMALIAN CYTOGENETIC TEST) RESULT: NEGATIVE TEST TYPE SISTER CHROMATID EXCHANGE ASSAY IN MAMMALIAN CELLS TET SPECIES: CHINESE HAMSTER OVARY (CHO) METABOLIC ACTIVATION: WITH AND WITHOUT METABOLIC ACTIVATION RESULT: NEGATIVE
<b>GENOTOXICITYIN VIVO</b>	TEST TYPE: DOMINANT LETHAL ASSAY TEST SPECIES: MOUSE APPLICATION ROUTE: SUBCUTANEOUS EXPOSURE TIME: 8 WEEKS METHODS: OECD TEST GUIDELINE 478 RESULT: NEGATIVE GLP: NO
<b>GERM CELL MUTAGENICITY- ASSESSMENT</b>	ANIMAL TESTING DID NOT SHOW AN MUTAGENIC EFFECTS
<b>CARCINOGENICITY</b>	SPECIES: MOUSE( MALE AND FEMALE) APPLICATION ROUTE: ORAL EXPOSURE TIME: 103 WEEKS DOSE: 0, 500, OR 1000 mg/kg FREQUENCY OF TREATMENT: 5 DAYS/WEEK METHOD: DIRECTIVE 67/548/ECC ANNEX V, B.32 RESULT: DID NOT DISPLAY CARCINOGENIC PROPERTIES GLP: NO DATA AVAILABLE

<b>CARCINOGENICITY ASSESSMENT (XYLENE)</b>	ANIMAL TESTING DID NOT SHOW ANY CARCINOGENIC EFFECTS
<b>CARCINOGENICITY ASSESSMENT (ETHYL BENZENE)</b>	NO CLASSIFIED AS A HUMAN CARCINOGEN.
<b>EFFECTS ON FERTILITY</b>	TEST TYPE: TWO- GENERATION STUDY SPECIES: RAT, MALE AND FEMALE APPLICATION ROUTE: INHALATION DOSES: 0, 25, 100 AND 500 ppm DURATION OF TREATMENT: 7 DAYS/WEEK GENERAL TOXICITY – PARENT: NOAEC: >500 ppm GENERAL TOXICITY – F1: NOAEC: >500 ppm EARLY EMBRYONIC DEVELOPMENT: NOAEC: >500 ppm RESULT: NO REPRODUCTIVE EFFECTS
<b>EFFECTS ON FOETAL DEVELOPMENT</b>	SPECIES: RAT APPLICATION ROUTE: INHALATION DOSE: 0, 100, 500, 1000 AND 2000ppm DURATION OF SINGLE TREATMENT: 14DAYS FREQUENCY OF TREATMENT: 6 HR/DAY GENERAL TOXICITY MATERNAL: NOAEC: 500 ppm TERATOGENICITY: NOAEC: >2,000 DEVELOPMENTAL TOXICITY: NOAED: 100 ppm RESULT: NO TERATOGENIC EFFECTS. DEVELOPMENTAL TOXICITY OCCURRED AT MATERNAL TOXICITY DOSE LEVELS.
<b>REPRODUCTIVE TOXICITY – ASSESSMENT</b>	ANIMAL TESTING DID NOT SHOW ANY EFFECTS ON FERTILITY. DAMAGE TO FETUS NOT CLASSIFIABLE.
<b>STOT – SINGLE EXPOSURE</b>	EXPOSURE ROUTE: INHALATION TARGET ORGANS: RESPIRATOR SYSTEM ASSESSMENT: MAY CAUSE RESPIRATORY IRRITATION. THE SUBSTANCE OR MIXTURE IS CLASSIFIED AS SPECIFIC TARGET ORGAN TOXICITY, SINGLE EXPOSURE CATEGORY 3 WITH RESPIRATORY TRACT IRRITATION.
<b>STOT – REPEATED EXPOSURE</b>	TARGET ORGAN: KIVER, KIDNEY, CENTRAL NERVOUS SYSTEM ASSESSMENT: MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. THE SUBSTANCE OR MIXTURE IS CLASSIFIED AS SPECIFIC TARGET ORGAN TOXICANT, REPEATED EXPOSURE CATEGORY 2.
<b>REPEATED DOSE TOXICITY</b>	SPECIES: RAT, MALE AND FEMALE NOAEL: 250 mg/kg APPLICATION ROUTE: ORAL EXPOSURE TIME: 103 WEEKS NUMBER OF EXPOSURES: 5DAYS /WEEK DOSE: 0, 250 OR 500 mg/kg ASSESSMENT: THE SUBSTANCE OR MIXTURE IS CLASSIFIED AS SPECIFIC TARGET ORGAN TOXICANT, REPEATED EXPOSURE, CATEGORY 2.
<b>ASPIRATION TOXICITY</b>	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS
<b>FURTHER INFORMATION</b>	REMARKS: SOLVENT MAY DEGREASE THE SKIN.

**SECTION XII ECOLOGICAL INFORMATION**

<b>ECOTOXICITY</b>	
<b>TOXIC TO FISH</b>	LC50 (ONCORHYNCHUS MYKISS (RAINBOW TROUT): 2.6 mg/l
	EXPOSURE TIME: 96 HRS
	METHOD : OECD TEST GUIDELINE 203
<b>TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES</b>	EC50 (DAPHNIA MAGNA (WATER FLEA)) : 1 mg/l
	EXPOSURE TIME: 24 h
	TEST TYPE: STATIC TEST
	METHOD: OECD TEST GUIDELINE 201
	GLP: YES
<b>ECOTOXICOLOGY ASSESSMENT</b>	
<b>ACUTE AQUATIC TOXICITY</b>	TOXIC TO AQUATIC LIFE
<b>CHRONIC AQUATIC TOXICITY</b>	TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS
<b>PERSISTENCE AND DEGRADABILITY</b>	
<b>BIODEGRADABILITY</b>	INOCULUM: ACTIVATED SLUDGE
	RESULT: READILY BIODEGRADABLE
	BIODEGRADATION: 72%
	EXPOSURE TIME: 20 DAYS
<b>BIOACCUMULATIVE POTENTIAL</b>	
<b>PARTITION COEFFICIENT : n- OCTANOL/WATER</b>	LOW POW: 2.77 – 3.15
<b>MOBILITY IN SOIL</b>	NO DATA AVAILABLE
<b>OTHER ADVERSE EFFECTS</b>	NO DATA AVAILABLE
<b>REGULATION</b>	40 CFR PROTECTION OF ENVIRONMENT: PART 82 PROTECTION OF STRATOSPHERIC OZONE – CAA SECTION 602 CLASS I SUBSTANCES.
<b>REMARKS</b>	THIS PRODUCT NEITHER CONTAINS, NOR WAS MANUFACTURED WITH A CLASS I OR CLASS II ODS AS DENIED BY THE US CLEAN AIR ACT SECTION 602 (40 CFR 82, SUBPT. A , APP. A + B).
<b>ADDITIONAL ECOLOGICAL INFORMATION</b>	AN ENVIRONMENTAL HAZARD CAN NOT BE EXCLUDED IN THE EVENT OF UNPROFESSIONAL HANDLING OR DISPOSAL. TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

**SECTION XIII DISPOSAL CONSIDERATIONS**

<b>AQUATIC TOXICITY (E.G. 96 HR. TLM):</b> 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).
<b>WASTE DISPOSAL METHOD:</b> 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**

Governing Body	Mode	UN Number	Proper Shipping Name	Hazard Class	Packing Group	Quantity Limitation
DOT	GROUND(NON BULK)	NON REGULATED	NON REGULATED	NON REGULATED	NA	NA
IATA	AIR	1866	RESIN SOLUTIONS	3	III	Passenger Aircraft – 60L Cargo Aircraft – 220L
IMDG	OCEAN	1866	RESIN SOLUTIONS	3	III	
<b>MARINE POLLUTANT:</b>		THIS PRODUCT DOES NOT CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 172.101 APPENDIX B)				

**SECTION XV REGULATORY INFORMATION**

<b>TSCA:</b> 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 1330-20-7 (XYLENES)
<b>CERCLA:</b> 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.
<b>THE REPORTABLE QUANTITY (RQ) OF THIS PRODUCT IS 100 POUNDS (XYLENES, MIXED)</b>
<b>SARA TITLE III:</b> 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
<b>ADDITIONAL REGULATORY CONCERNS:</b> (FEDERAL, FDA, USDA, CPSC, STATE, OTHER)
FEDERAL / FDA / USDA:
<b>MARINE POLLUTANTS:</b> NO. THIS PRODUCT DOES NOT CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 172.101 Appendix B).
<b>CALIFORNIA PROP 65:</b> WARNING: This product contains chemicals known to the state of California to cause cancer or birth defects or other reproductive harm. Crystalline Silica particles of respirable size)
CERCLA / RQ: <b>100 POUNDS (XYLENES, MIXED).</b> THIS PRODUCT CONTAINS A MATERIAL ON THE RQ TABLE (HMT 172.101 Appendix A): XYLENES, MIXED
<b>TSCA:</b> IS THIS PRODUCT, OR ALL ITS INGREDIENTS, BEING CERTIFIED FOR INCLUSION ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES? <b>YES</b>

**SECTION XVI OTHER INFORMATION**

PREPARED BY	DARRYL MANUEL / PRESIDENT
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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.	

<b>HMIS HAZARD RATINGS:</b>			<b>KEY</b> 4 -- SEVERE
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			
<b>POWERCOAT UV+ WB CLEAR &amp; MATTE PART A</b>	NPCA-HMIS	NFPA 704	3 -- SERIOUS
<b>HEALTH</b>	<b>2</b>	<b>2</b>	2 -- MODERATE
<b>FLAMMABILITY</b>	<b>2</b>	<b>2</b>	1 -- SLIGHT
<b>REACTIVITY</b>	<b>0</b>	<b>0</b>	0 -- MINIMAL



HAZARD RATING 4=EXTREME 3=HIGH 2=MODERATE 1=SLIGHT 0=INSIGNIFICANT	<b>HEALTH</b>	<b>2</b>	SAFETY DATA SHEET VEXCON NO. CP145 <b>POWERCOAT UV+ WB CLEAR &amp; MATTE PART B</b>
	<b>FLAMMABILITY</b>	<b>2</b>	
	<b>REACTIVITY</b>	<b>1</b>	

**SECTION I - GENERAL INFORMATION**

<b>PRODUCT IDENTIFICATION:</b>	
POWERCOAT UV+ WB CLEAR & MATTE PART B	
<b>VOC CONTENT:</b> AS APPLIED: <340 GRAMS/LITER OR 2.83#/GAL Part A Gloss ONLY: 288 g/L OR 2.40#/GAL Part A Matte ONLY: 336 g/L OR 2.80#/GAL Part B ONLY: 165 g/L OR 1.37#/GAL	
<b>CATEGORY:</b> INDUSTRIAL MAINTENANCE COATING (OTC)	
<b>COMMON NAME:</b> URETHANE COATING	
<b>MANUFACTURER:</b>	VEXCON CHEMICALS, INC.
<b>ADDRESS:</b>	7240 STATE RD., PHILA., PA 19135 USA
<b>EMERGENCY NO:</b>	1-800-858-2828
<b>TELEPHONE NO:</b>	1-215-332-7709 (Vexcon)
<b>CHEMTREC NO:</b>	1-800-424-9300 (Chemtrec)
<b>PREPARED:</b>	FEBRUARY 2010
<b>UPDATED:</b>	FEBRUARY 2017
<b>PREPARED BY:</b>	DARRYL F. MANUEL, PRESIDENT

BUTYL ACETATE	123-86-4	<10-15%	OSHA PEL: 150 ppm (TWA) ACGIH TLV 150 ppm (TWA)	1123
POLYOXYETHYLENE TRIDECYL ETHER PHOSPHATE	9046-01-9	<1-10%	YES	N/A
CYCLOHEXANAMINE, N,N-DIMETHYL	98-94-2	<1-5%	SEVERE SKIN AND EYE IRRITANT	2264
HEXANE, 1,6-DIISOCYANATO	822-06-0	<1%	EUROPE 0.005 ppm (TWA)	2281
ISOPHORONE DIISOCYANATE	4098-71-9	<1%	NIOSH REL 0.005 ppm (TWA)	2290

**SECTION IV FIRST AID MEASURES**

**HEALTH HAZARD DATA HAZARD CLASSIFICATION BASIS FOR CLASSIFICATION SOURCE**

<b>ROUTES OF EXPOSURE:</b>	
<b>INHALATION:</b>	THIS PRODUCT MAY CREATE BREATHING DIFFICULTIES. DIZZINESS, LIGHTHEADEDNESS WHEN WORKING IN AREAS WITH HIGH VAPOR CONCENTRATION.
<b>SKIN CONTACT:</b>	THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.
<b>SKIN ABSORPTION:</b>	THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.
<b>EYE CONTACT:</b>	THIS PRODUCT MAY BE AN EYE IRRITANT.
<b>INGESTION / INHALATION</b>	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.
<b>EFFECTS OF OVEREXPOSURE:</b>	TLV 150 ppm BUTYL ACETATE COMPONENT. ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS. LIQUIDS MODERATELY IRRITATING ON SKIN AND EYES.
<b>ACUTE OVEREXPOSURE:</b>	ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS: MODERATE IRRITATION BY LIQUID TO SKIN AND EYES. PROLONGED CONTACT ON THE SKIN WILL CLAY AND DEFAIT THE SKIN POSSIBLY CAUSING DERMATITIS.

**EMERGENCY AND FIRST AID PROCEDURES:**

<b>EYES:</b>	FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEEK IMMEDIATE MEDICAL ATTENTION.
<b>SKIN:</b>	WASH WITH SOAP AND LARGE QUANTITIES OF WATER. SEEK MEDICAL ATTENTION IF SKIN IRRITATION DEVELOPS AND PERSISTS.
<b>INHALATION:</b>	MOVE TO LOCATION FREE FROM VAPORS. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING STOPS, BEGIN ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION.
<b>INGESTION:</b>	DO NOT INDUCE VOMITING; SEEK IMMEDIATE MEDICAL ATTENTION.

**SECTION II - HAZARD IDENTIFICATION**

<b>CLASSIFICATION OF MIXTURE</b>	
FLAMMABLE LIQUIDS - CATEGORY 2 ACUTE TOXICITY; INHALATION - CATEGORY 4 SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY - SINGLE EXPOSURE - CATEGORY 3 ACUTE AQUATIC TOXICITY - CATEGORY 3	
<b>SINGLE WORD: DANGER</b>	
<b>HAZARD STATEMENT:</b> HIGHLY FLAMMABLE LIQUID AND VAPOR. HARMFUL IF INHALED. MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS. HARMFUL TO AQUATIC LIFE.	
<b>PRECAUTIONARY STATEMENT FLAMMABLE LIQUID:</b> 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**

MATERIAL OR COMPONENTS	CAS NO.	%	HAZARD DATA	UN#
HEXANE, 1,6 DIISOCYANATO HOMOPOLYMER	28182-81-2	< 40-50%	1 mg/m3 (TWA)	N/A
ISOPHORONE DIISOCYANATE HOMOPOLYMER	53880-05-0	<20-30%	YES	N/A

**SECTION V FIREFIGHTING MEASURES**

<b>EXTINGUISHING MEDIA:</b>	EXCLUDE AIR. FIRES INVOLVING THIS PRODUCT MAY BE CONTROLLED BY <b>REGULAR FOAM, CARBON DIOXIDE, OR DRY CHEMICALS</b> . 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.
<b>GENERAL HAZARD:</b>	<b>COMBUSTIBLE LIQUID</b> - CAN FORM COMBUSTIBLE MIXTURES AT TEMPERATURES AT OR ABOVE THE FLASH POINT. <b>STATIC DISCHARGE</b> - MATERIAL CAN ACCUMULATE STATIC CHARGES WHICH CAN CAUSE AN INCENDIARY ELECTRICAL DISCHARGE. <b>"EMPTY" CONTAINERS</b> 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.
<b>ELECTRO-STATIC ACCUMULATION HAZARD:</b>	<b>USE PROPER GROUNDING</b>
<b>UNUSUAL FIRE AND EXPLOSION HAZARD:</b>	THIS PRODUCT IS <b>FLAMMABLE</b> AND EXPLOSIVE UNDER NORMAL CONDITIONS IN THE PRESENCE OF FLAME OR SPARK SOURCE. IF STORAGE CONTAINERS ARE EXPOSED TO EXCESSIVE HEAT, <b>OVER PRESSURIZATION</b> OF THE CONTAINERS CAN RESULT. <b>VAPOR IS HEAVIER THAN AIR</b> AND MAY TRAVEL ALONG THE GROUND OR THROUGH VENTILATION SYSTEM CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. KEEP WORK AREAS <b>FREE OF HOT METAL</b> SURFACES AND OTHER SOURCES OF IGNITION.
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	THE USE OF <b>SELF-CONTAINED BREATHING APPARATUS</b> 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. 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 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 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, 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**

<b>BOILING POINT: (760mmHg)</b> 126 C / 259 F <b>(N-BUTYL ACETATE)</b>	<b>MELTING/FREEZING POINT:</b> -77 C / -107 F <b>(N-BUTYL ACETATE)</b>
<b>VAPOR PRESSURE:</b> 15 mmHg@68°F/25°C <b>(N-BUTYL ACETATE)</b>	<b>VAPOR DENSITY (AIR=1):</b> 4.0 <b>(N-BUTYL ACETATE)</b>
<b>SOLUBILITY IN H2O % BY WT:</b> COMPLETE / REACTS	<b>% VOLATILES BY VOL:</b> 15%
<b>EVAPORATION RATE (BuAc=1):</b> SLOW 1.0 <b>(N-BUTYL ACETATE)</b>	<b>SPECIFIC GRAVITY (H2O=1)</b> 1.09
<b>pH (AS IS):</b> N/A	<b>pH (1% SOLN):</b> N/A
<b>APPEARANCE AND ODOR:</b> COLORLESS TO PALE YELLOW VISCOUS LIQUID, ODORLESS	
<b>FLASH POINT:</b> (TEST METHOD)	<b>104°F (40°C) (TCC)</b>
<b>AUTOIGNITION TEMP:</b>	425°C / 797°F <b>(N-BUTYL ACETATE)</b>
<b>FLAMMABLE LIMITS IN AIR, % BY VOL:</b>	LOWER: 1.7% UPPER: 7.6% <b>(N-BUTYL ACETATE)</b>

**SECTION X STABILITY AND REACTIVITY**

<b>CONDITIONS CONTRIBUTING TO INSTABILITY:</b>	THIS PRODUCT IS STABLE.
<b>INCOMPATIBILITY:</b>	THIS PRODUCT IS INCOMPATIBLE WITH STRONG OXIDIZING AGENTS, STRONG ACIDS OR BASES, AND SELECTED AMINES. <b>REACTS WITH WATER.</b>
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	THERMAL DECOMPOSITION IN THE PRESENCE OF AIR MAY YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE, OXIDES OF NITROGEN AND UNIDENTIFIED ORGANICS.
<b>CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION:</b>	N/A WILL NOT OCCUR

**SECTION XI TOXICOLOGICAL INFORMATION**

<b>ACUTE TOXICITY</b>	ORAL	LD50-ORAL – RAT – 900 mg/kg
	INHALATION	LC50 INHALATION – RAT 4H – 2730 ppm
	REMARKS: SENSE ORGANS AND SPECILA SENSES (NOSE, EYES, EAR AND TASTE) OLFACTION: OTHER CHANGES. SENSE ORGANS AND SPECIAL SENSES (NOSE, EYXE, EAR AND TASTE) EYE OTHER. LUNGS, THORAX OR RESPIRIATION DYSPHNEA	
	DERMAL	LD50 DERMAL – RABBIT – 1.796 mg/kg
	OTHER INFROMATIONON ACUTE TOXICITY	NO DATA AVAILABLE
<b>SKIN CORROSION/IRRITATION</b>	NO DATA AVAILABLE	
<b>SERIOUS EYE DAMAGE/ EYE IRRITATION</b>	NO DATA AVAILABLE	
<b>RESPIRATORY OR SKIN SENSITIZATION</b>	MAY CAUSE ALLERGIX SKIN REACTCION.	
<b>GERM CELL MUTAGENICITY</b>	NO DATA AVAILABLE	
<b>CARCINOGENICITY</b>	IARC: 3 GROUP 3: NOT CALSSIFIABLE AS TO IS CARCINOGENICITY TO HUMANS (BUTYL ACETATE)	
	NTP: NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED A S A KNOWN OR ANTICIPATED CARCINOGEN BY NTP.	
	OSHA: NO COMPONENT OFTHIS PRODUCT PRESENT AT LEVERLS GREATERH THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA.	
<b>REPRODUCTIVE TOXICITY</b>	REPRODUCTIVE TOXICITY – RAT – INHALATION	
	MATERNAL EFFECTS: OTHER EFFECTS . EFFECTS ON FERTILITY: POST-IMPLANTATION ORTALITY (E.G. DEAD AND/OR RESORDED IMPLANTS PER TOTAL NUMBER OF IMPLANTS)	
	REPRODUCTIVE TOXICITY – RAT INHALATION	
	EFFECTS ON FERTILITY: POST IMPLANTATION MORALITY (E.G. DEAD AND/OR RESORBED IMPLANTS PER TOTAL NUMBER OF IMPLANTS)	
<b>TERATOGENICITY</b>	NO DATA AVAILABLE	
<b>SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE</b>	MAY CAUSE RESPIRATOR IRRITATION.	
<b>SPECIFIC TARGE ORGAN TOXICITY – REPEATED EXPOSURE</b>	NO DATA AVAILBLE	
<b>ASPIRATION HAZARD</b>	NO DATA AVAILABLE	
<b>POTENTIAL HEALTH EFFECTS</b>		
<b>INHALATION</b>	MAY BE HARMFUL IF INHALED. CAUSES RESPIRATORY TRACT IRRITATION.	
<b>INGESTION</b>	HARMFUL IF SWALLOWED.	
<b>SKIN</b>	HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SKIN IRRITATION	
<b>EYES</b>	CAUSES EYE IRRITATION.	
<b>SIGNS AND SYMPTOMS OF EXPOSURE</b>	TO THE BEST OF OUR KNOWLEDGE THE CHEMICAL, PHSICAL AND TOXICOLOGICAL PROPERTIES HAV NOT BEEN THOROUGHLY INVESTIGATED. COUGH SHORTNESS OF BREATH , HEADACHE, NAUSEA, VOMITING.	
<b>SYNERGISTIC EFFECTS</b>	NOT DATA AVAILABLE	

**SECTION XII ECOLOGICAL INFORMATION**

<b>TOXICITY</b>	
<b>TOXICITY TO FISH</b>	LC50 – ONCORHYNCHUS MYKISS (RAINBOW TROUT) – 5.2 mg/l – 96HR
<b>TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES</b>	EC5- - DAPHNIA MAGNA (WATER FLEA) – 8.2 mg/l – 48 HR.
<b>PERSISTENCE AND DEGRADABILITY</b>	NO DATA AVAILABLE
<b>BIOACCUMULATIVE POTENTIAL</b>	NO DATA AVAILABLE
<b>MOBILITY IN SOIL</b>	NO DATA AVAILABLE
<b>PBT AND vPvB ASSESSMENT</b>	NO DATA AVAILABLE
<b>OTHER ADVERSE EFFECTS</b>	AN ENVIROMENTAL HAZARD CANNOT BE EXCLUDED IN THE EVENT OF EUOPROFESSIONAL HANDLING OR DISPOSAL.
	TOXIC TO AQUATIC LIFE
	AVOID RELEASE TO TH ENVIRONMENT

**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**

Governing Body	Mode	UN Number	Proper Shipping Name	Hazard Class	Packing Group	Quantity Limitation
DOT	GROUND	1866	RESIN SOLUTION	3	III	ORMD – Max 30Kg gross wt (66lbs)
IATA	AIR	1866	RESIN SOLUTION	3	III	Passenger Aircraft – 60L Cargo Aircraft – 220L
IMDG	OCEAN	1866	RESIN SOLUTION	3	III	
<b>MARINE POLLUTANT:</b>	THIS PRODUCT DOES NOT CONTAIN A MATERIAL. ON THE MARINE POLLUTANTS TABLE (HMT 172.101 APPENDIX B)					

**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 123-86-4 (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 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: FIRE HAZARD, ACUTE HEALTH HAZARD

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

**MARINE POLLUTANTS:** NO. THIS PRODUCT DOES NOT CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 172.101 Appendix B).

**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) NO

CERCLA / RQ: **5000 POUNDS (BUTYL ACETATE,)** THIS PRODUCT CONTAINS A MATERIAL ON THE RQ TABLE (HMT 172.101 Appendix A): BUTYL ACETATE,

**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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<b>HMIS HAZARD RATINGS:</b> 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			<b>KEY</b> 4 -- SEVERE
<b>POWERCOAT UV+ WB CLEAR &amp; MATTE PART B</b>	<b>NPCA- HMIS</b>	<b>NFPA 704</b>	3 -- SERIOUS
<b>HEALTH</b>	<b>2</b>	<b>2</b>	2 -- MODERATE
<b>FLAMMABILITY</b>	<b>2</b>	<b>2</b>	1 -- SLIGHT
<b>REACTIVITY</b>	<b>1</b>	<b>1</b>	0 -- MINIMAL