

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

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0

SAFETY DATA SHEET
 VEXCON NO. CP147
POWERCOAT UV+HD WB
PART A CLEAR & MATTE

SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION: POWERCOAT UV+HD WB PART A CLEAR & MATTE	
VOC CONTENT: 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	
CATEGORY: INDUSTRIAL MAINTENANCE COATING	
COMMON NAME: URETHANE COATING	
MANUFACTURER:	VEXCON CHEMICALS, INC.
ADDRESS:	7240 STATE RD., PHILA., PA 19135 USA
EMERGENCY NO:	1-800-858-2828 (PolySat)
TELEPHONE NO:	1-215-332-7709 (Vexcon)
CHEMTREC NO:	1-800-424-9300 (CCN#23822)
PREPARED:	AUGUST 2011
UPDATED:	JUNE 2020
PREPARED BY:	DARRYL F. MANUEL, PRESIDENT

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 RESPIRATOR 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 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 15%. 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
STYRENE ACRYLATE POLYMER	25036-16-2	50-60%	N/D
SOLVENT NAPHTHA (Petroleum), LIGHT AROMATIC (AROMATIC 100)	64742-95-6	15-20%	TLV 50ppm OSHA HAZARD: COMBUSTIBLE LIQUID EXXON/MOBIL RCP 19ppm (TWA)
PERFORMANCE ADDITIVES	N/A	4-5%	ND
WATER	7732-18-5	BAL.	NA

(AR100) THE AROMATIC SOLVENT PORTION CONTAINS THE FOLLOWING SECTION 313 REPORTABLE INGREDIENTS:

COMPONENT	CAS NO.	MAX %	HAZARD DATA
1,2,4-TRIMETHYL BENZENE (PSEUDOCUMENE)	95-63-6	<32.0%	OSHA PEL: NE ACGIH TLV: 25ppm (TWA)
XYLENES	1330-20-7	<2.2%	OSHA Z1 100ppm (TWA) ACGIH TLV 100ppm (TWA) NIOSH REL 100 ppm (TWA)
CUMENE	98-82-8	<1.1%	OSHA Z1 50ppm (TWA) ACGIH TLV 50ppm (TWA)

(XYLENE) THE SOLVENT PORTION CONTAINS THE FOLLOWING SECTION 313 REPORTABLE INGREDIENTS:

COMPONENT	CAS NO.	MAX %	HAZARD DATA
XYLENES	1330-20-7	15% TYPICAL	OSHA Z1 100ppm (TWA) ACGIH TLV 100ppm (TWA) NIOSH REL 100 ppm (TWA)
ETHYL BENZENE	100-41-4	5% TYPICAL	OSHA Z1 100ppm (TWA) ACGIH TLV 100ppm (TWA) NIOSH REL 100 ppm (TWA)

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, LIGHTEADEDNESS 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:	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 100 ppm 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.
EMERGENCY AND FIRST AID PROCEDURES:	
EYES:	FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION.
SKIN:	WASH WITH SOAP AND LARGE QUANTITIES OF WATER. SEEK MEDICAL ATTENTION IF SKIN IRRITATION DEVELOPS AND PERSISTS.
INHALATION:	MOVE TO LOCATION FREE FROM VAPORS. IF BREATHING STOPS, BEGIN ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION.
INGESTION:	DO NOT INDUCE VOMITING; SEEK PROMPT MEDICAL ATTENTION.

SECTION V FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:	EXCLUDE AIR. FIRES INVOLVING THIS PRODUCT MAY BE CONTROLLED BY REGULAR FOAM, CARBON DIOXIDE, DRY CHEMICALS OR WATER SPRAY. WATER 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, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF.
ELECTRO-STATIC ACCUMULATION HAZARD:	USE PROPER GROUNDING
UNUSUAL FIRE AND EXPLOSION HAZARD:	IF STORAGE CONTAINERS ARE EXPOSED TO EXCESSIVE HEAT, OVER PRESSURIZATION OF THE CONTAINERS CAN RESULT. VAPOR IS HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR THROUGH VENTILATION SYSTEM CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. KEEP WORK AREAS FREE OF HOT METAL SURFACES AND OTHER SOURCES OF IGNITION.
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. 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 PRECAUTIONS FOR SAFE HANDLING AND USE AND SPILL CONTROL

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.

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. 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: -25°C / -13°F (Xylenes)
VAPOR PRESSURE: 8 mmHg@68°F/20°C (Xylenes)	VAPOR DENSITY (AIR=1): GREATER THAN AIR 3.7 (Xylenes)
SOLUBILITY IN H2O % BY WT: MISCIBLE	% VOLATILES BY VOL: 50-60%
EVAPORATION RATE (BuAc=1): SLOW 0.7 (Xylenes), LESS THAN BuAc	SPECIFIC GRAVITY (H2O=1) 1.02
pH (AS IS): 8.5	pH (1% SOLN): N/A
APPEARANCE AND ODOR: MILKY LIQUID EMULSION WITH PAINT SOLVENT ODOR, VARIOUS COLORS	
FLASH POINT: (TEST METHOD)	>93°C / >200°F (TCC)
AUTOIGNITION TEMP:	464°C / 867°F
FLAMMABLE LIMITS IN AIR, % BY VOL:	LOWER: 1.0% UPPER: 7.0%

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: COMPONENTS: XYLENE	ACUTE ORAL TOXICITY	LD50 (RAT, MALE): 3,523 mg/kg	
		METHOD: EU METHOD B.1 (ACUTE TOXICITY, ORAL)	
		GLP: NO	
ACUTE INHALATION TOXICITY	ACUTE INHALATION TOXICITY	LC50 (RAT, MALE): 6700 ppm	
		EXPOSURE: 4 HRS	
		METHOD: DIRECTIVE 67/548/EEC, ANNEX V, B.2.	
ACUTE DERMAL TOXICITY	ACUTE DERMAL TOXICITY	LD50 (RABBIT): 1,100 mg/kg	
		ASSESSMENT: THE COMPONENT/MIXTURE IS MODERATELY TOXIC AFTER SINGLE CONTACT WITH SKIN.	
SKIN CORROSION/IRRITATION: COMPONENTS: XYLENE	PRODUCT	RESULT: IRRITATING TO SKIN	
		SPECIES: RABBIT	
		EXPOSURE: 24 HRS.	
SERIOUS EYE DAMAGE/EYE IRRITATION: COMPONENT: XYLENE	PRODUCT	ASSESSMENT: IRRITATING TO SKIN	
		SPECIES: RABBIT	
RESPIRATOR OR SKIN SENSITISATION	COMPONENT: XYLENE	RESULT: IRRITATING TO EYES	
		NO DATA AVAILABLE	
GERM CELL MUTAGENICITY COMPONENT: XYLENE	GENOTOXICITY IN VITRO	TEST TYPE: CROMOSOME ABERRATION TEST IN VIRTO	
		TEST SPECIES: CHINESE HAMSTER OVARY (CHO)	
		METABOLIC ACTIVATION: WITH AND WITHOUT METABOLIC ACTIVATION	
		METHOD: MUTAGENICITY (IN VITRO MAMMALIAN CYTOGENETIC TEST)	
		RESULT: NEGATIVE	
	GENOTOXICITY IN VIVO	GENOTOXICITY IN VIVO	TEST TYPE SISTER CHROMATID EXCHANGE ASSAY IN MAMMALIAN CELLS
			TEST SPECIES: CHINESE HAMSTER OVARY (CHO)
			METABOLIC ACTIVATION: WITH AND WITHOUT METABOLIC ACTIVATION
			RESULT: NEGATIVE
			TEST TYPE: DOMINANT LETHAL ASSAY
GENOTOXICITY IN VIVO	GENOTOXICITY IN VIVO	TEST SPECIES: MOUSE	
		APPLICATION ROUTE: SUBCUTANEOUS	
		EXPOSURE TIME: 8 WKS.	
		DOSE: 1.0 mL/kg	
		METHOD: OECD TEST GUIDELINE 478	
RESULT: NEGATIVE			

CARCINOGENICITY	COMPONENT: XYLENE	GLP: NO	
		ANIMAL TESTING DID NOT SHOW ANY MUTAGENIC EFFECTS.	
		SPECIES: MOUSE (MALE AND FEMALE)	
		APPLICATION ROUTE: ORAL	
		EXPOSURE TIME: 103 WKS.	
		DOSE: 0, 500 OR 1000 mg/kg	
		FREQUENCY OF TREATMENT: 5 DAYS/WEEK	
		METHOD: DIRECTIVE 67/548/EEC, ANNEX V, B.32	
		RESULT: DID NOT DISPLAY CARCINOGENIC PROPERTIES	
		GLP: NO DATA AVAILABLE	
ASSESSMENT: ANIMAL TESTING DID NOT SHOW ANY CARCINOGENIC EFFECTS.			
REPRODUCTIVE TOXICITY COMPONENT: XYLENE	EFFECTS ON FERTILITY	TEST TYPE: TWO GENERATION STUDY	
		SPECIES: RAT, MALE AND FEMALE	
		APPLICATION ROUTE: INHALATION	
		DOSE: 0, 25, 100 AND 500 ppm	
		DURATION OF SINGLE TREATMENT: 6HRS.	
		FREQUENCY OF TREATMENT: 7 DAYS/WEEK	
		GENERAL TOXICITY: PARENT: NOAEC: >500ppm	
		GENERAL TOXICITY F1: NOAEX: > 500 ppm	
		EARLY EMBRYONIC DEVELOPMENT: NOAEC: >500 ppm	
		RESULT: NO REPRODUCTIVE EFFECTS.	
REPRODUCTIVE TOXICITY COMPONENT: XYLENE	EFFECTS ON FOETAL DEVELOPMENT	SPECIES: RAT	
		APPLICATION ROUTE: INHALATION	
		DOSE: 0, 100, 500, 1000, OR 2,000 ppm	
		DURATION OF SINGLE TREATMENT: 14DAYS	
		FREQUENCY OF TREATMENT: 6HRS/DAY	
		GENERAL TOXICITY MATERNAL: NOAEC: 500ppm	
		TERATOGENICITY: NOAEX: 100 ppm	
		DEVELOPMENTAL TOXICITY: NOAEX: 100 ppm	
		RESULTS: NO TERATOGENIC EFFECTS. DEVELOPMENTAL TOXICITY OCCURRED AT MATERNAL TOXICITY DOSE LEVELS.	
		REPRODUCTIVE TOXICITY ASSESSMENT	
ANIMAL TESTING DID NOT SHOW ANY EFFECTS ON FERTILITY. DAMAGE TO FETUS NOT CLASSIFIABLE.			
STOT – SINGLE EXPOSURE COMPONENT: XYLENE	EXPOSURE ROUTES	TARGET ORGANS	ASSESSMENT REMARKS
STOT – REPEATED EXPOSURE COMPONENT: XYLENE	EXPOSURE ROUTES	TARGET ORGANS	ASSESSMENT REMARKS

		ORGAN TOXICANT, REPEATED EXPOSURE CATEGORY 2
REPEATED DOSE TOXICITY	COMPONENT: XYLENE	SPECIES: RAT, MATLE AND FEMALE
		NOAEL: 250 mg/kg
		APPLICATION ROUTE: ORAL
		EXPOSURE TIME: 103 WKS
		NUMBER OF EXPOOSURES: 5 DAYS/WEEK
		DOSE: 0, 250 OR 500 mg/kg
		ASSESSMENT: THE SUBSTANCE OR MIXTURE IS CALSSIFIED AS SPECIFIC TARGET ORGAN TOXICANT, REPEATED EXPOSURE, CATEGORY 2
ASPIRATION TOXICITY	COMPONENT: XYELENE	MAY BE FATAL IF SEALLOWED AND ENTERS AIRWAYS.
FURTHER INFORMATION	SOLVENT MAY DEGREASE SKIN	

SECTION XII ECOLOGICAL INFORMATION

ECOTOXICITY COMPONENT: XYLENE	TOXICITY TO FISH	LC50 (ONCORHYNCUS MYKISS (RAINBOW TROUT)): 2.6 mg/L
		EXPOSURE TIME: 96 HRS.
		METHOD: OECK TEST GUIDELINES 203
	TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES	EC50: DAPHNIA MAGNA (WATER FLEA)): 1 mg/L
		EXPOSURE TIME: 24HR.
		TEST TYPE: STATIC TEST METHOD: OECD TEST GUIDELINE 202
	TOXICITY TO ALGAE	EC50: PSEUDOKIRCHNERIELLA SUBCAPITATA): 4.36 mg/L
		END POINT: GROWTH RATE
		EXPOSURE TIME: 73 HRS.
		TEST TYPE: STATIC TEST
ANALYTICAL MONITORING: YES METHOD: OECD TEST GUIDELINE 201 GLP: YES		
ECOTOXICOLOGY ASSESSMENT	ACUTE AQUATIC TOXICITY	
	TOXIC TO AQUATIC LIFE	
CHRONIC AQUATIC TOXICITY	TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.	
PERSISTENCE AND DEGRADABILITY	BIODEGRADABILITY	INOCULUM: ACTIVATED SLUDGE.
		RESULT: READILY BIODEGRADABLE
		BIODEGRADATION: 72%
		EXPOSURE TIME: 20 DAYS
BIOACCUMULATIVE POETNEIAL	PARTITION COEFFICIENT: n- OCTANOL/WATER	LOG POW: 2.77 – 3.15
MOBILITY IN SOIL	NO DATA AVAILABLE	
OTHER ADVERSE AFFECTS	NO DATA AVAILABLE	
	REGULAION	40 CFR PROTECTIONOF ENVIRONMENT: PART 82 PROTECTION OF STRATOSPHERIC OZONE – CAA SECTION 602 CLASS I SUBSTANCES
	REMARKS	THIS PRODUCT NEITHER CONTAINS NOR WAS MANUFACTURED WITH A CLASS I OR CLASS II ODS AS DEFINED BY THE US CLEAN AIR ACT SECTION 02 (40 CFR 82, SUBPT. A APP. A & B)
ADDITIONAL ECOLOGICAL INFORMATION	AN ENVIRONMENTAL HAZARD CANNOT BE EXCLUDED IN THE EVENT OF UNPROFESSIONAL HANDLING OR DISPOSAL. TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.	

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	Packin g Group	Quantity Limitation
DOT	GROUND (NON BULK)	NON REGULATED	NON REGULATED	NON REGULATED	NA	NA
IATA	AIR	1866	RESIN SOLUTION (XYLENE)	3, FLAMMABLE	III	I Passenger Aircraft – 60L Cargo Aircraft – 220L
IMDG	OCEAN	1866	RESIN SOLUTION (XYLENE)	3, FLAMMABLE	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 1330-20-7 (XYLENES)
CERCLA: IF THE REPORTABLE QUANTITY OF THIS PRODUCT IS ACCIDENTALLY SPILLED, THE INCIDENT IS SUBJECT TO THE PROVISIONS OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA) AND MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER BY CALLING 1-800-424-8802 or 202-426-2675.
THE REPORTABLE SPILL QUANTITY (RQ) OF THIS PRODUCT IS 100 POUNDS (XYLENES, MIXED)
SARA TITLE III: UNDER THE PROVISIONS OF TITLE III, SECTIONS 311/312 OF THE SUPERFUND AMENDMENTS AND RE-AUTHORIZATION ACT, THIS PRODUCT IS CLASSIFIED INTO THE FOLLOWING HAZARD CATEGORIES: DELAYED HEALTH, FIRE
ADDITIONAL REGULATORY CONCERNS: (FEDERAL, FDA, USDA, CPSC, STATE, OTHER) FEDERAL / FDA / USDA:
MARINE POLLUTANTS: THIS PRODUCT DOES CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 172.101 Appendix B). SEE SECTION XIV
CALIFORNIA PROP 65: 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: 100 POUNDS (XYLENES, MIXED). THIS PRODUCT CONTAINS A MATERIAL ON THE RQ TABLE (HMT 172.101 Appendix A): XYLENES, MIXED
TSCA: IS THIS PRODUCT, OR ALL ITS INGREDIENTS, BEING CERTIFIED FOR INCLUSION ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES? YES

SECTION XVI OTHER INFORMATION

PREPARED BY	DARRYL MANUEL / PRESIDENT
COMPANY:	VEXCON CHEMICALS, INC.
ADDRESS:	7240 STATE RD., PHILA., PA 19135 USA
THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM SOURCES BELIEVED TO BE RELIABLE. VEXCON PROVIDES NO WARRANTIES, EXPRESSED OR IMPLIED, AND ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN.	

HMIS HAZARD RATINGS:			KEY 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			
POWERCOAT UV+HD WB PART A CLEAR/ MATTE	NPCA- HMIS	NFPA 704	3 -- SERIOUS
HEALTH	2	2	2 -- MODERATE
FLAMMABILITY	2	2	1 -- SLIGHT
REACTIVITY	0	0	0 -- MINIMAL

HAZARD RATING 4=EXTREME 3=HIGH 2=MODERATE 1=SLIGHT 0=INSIGNIFICANT	HEALTH	2	SAFETY DATA SHEET VEXCON NO. CP147 POWERCOAT UV+HD WB PART B CLEAR & MATTE
	FLAMMABILITY	2	
	REACTIVITY	1	

SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION: POWERCOAT UV+HD WATER BASE PART B	
VOC CONTENT: AS APPLIED: <340 GRAMS/LITER OR 2.83#/GAL PART A Gloss ONLY: 288 GRAMS/LITER OR 2.40#/GAL Part A Matte ONLY: 336 GRAMS/LITER OR 2.80#/GAL PART B ONLY: 165 GRAMS/LITER OR 1.37#/GAL	
CATEGORY: INDUSTRIAL MAINTENANCE COATING (OTC)	
COMMON NAME: URETHANE COATING	
MANUFACTURER:	VEXCON CHEMICALS, INC.
ADDRESS:	7240 STATE RD., PHILA., PA 19135 USA
EMERGENCY NO:	1-800-858-2828
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CHEMTREC NO:	1-800-424-9300 (Chemtrec)
PREPARED:	FEBRUARY 2010
UPDATED:	JUNE 2020
PREPARED BY:	DARRYL F. MANUEL, PRESIDENT





SECTION II - HAZARD IDENTIFICATION

CLASSIFICATION OF MIXTURE
 FLAMMABLE LIQUIDS – CATEGORY 2
 ACUTE TOXICITY; INHALATION – CATEGORY 4
 SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY – SINGLE EXPOSURE – CATEGORY 3
 ACUTE AQUATIC TOXICITY – CATEGORY 3

SINGLE WORD: DANGER

HAZARD STATEMENT: HIGHLY FLAMMABLE LIQUID AND VAPOR. HARMFUL IF INHALED. MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS. HARMFUL TO AQUATIC LIFE.

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

SECTION III HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENTS	CAS NO.	%	HAZARD DATA
HEXANE, 1,6 DIISOCYANATO HOMOPOLYMER	28182-81-2	<50%	1 mg/m3 (TWA)
ISOPHORONE DIISOCYANATE HOMOPOLYMER	53880-05-0	<30%	YES
BUTYL ACETATE	123-86-4	<15%	OSHA PEL: 150 ppm (TWA) ACGIH TLV 150 ppm (TWA)
POLYOXYETHYLENE TRIDECYL ETHER PHOSPHATE	9046-01-9	<8%	YES
CYCLOHEXANAMINE, N,N-DIMETHYL	98-94-2	<2%	SEVERE SKIN AND EYE IRRITANT
HEXANE, 1,6-DIISOCYANATO	822-06-0	<0.25%	EUROPE 0.005 ppm (TWA)
ISOPHORONE DIISOCYANATE	4098-71-9	<0.25%	NIOSH REL 0.005 ppm (TWA)

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, LIGHTEADEDNESS 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	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 150 ppm BUTYL ACETATE COMPONENT. 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 DEBAT THE SKIN POSSIBLY CAUSING DERMATITIS.

EMERGENCY AND FIRST AID PROCEDURES:

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

SECTION V FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:	EXCLUDE AIR. FIRES INVOLVING THIS PRODUCT MAY BE CONTROLLED BY REGULAR FOAM, CARBON DIOXIDE, OR DRY CHEMICALS . WATER MAY BE USED TO REDUCE THE RATE OF BURNING AND FOR COOLING PURPOSES. AVOID SPRAYING WATER DIRECTLY INTO STORAGE CONTAINERS DUE TO DANGER OF BOIL OVER.
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, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF.
ELECTRO-STATIC ACCUMULATION HAZARD:	<u>USE PROPER GROUNDING</u>
UNUSUAL FIRE AND EXPLOSION HAZARD:	THIS PRODUCT IS FLAMMABLE AND EXPLOSIVE UNDER NORMAL CONDITIONS IN THE PRESENCE OF FLAME OR SPARK SOURCE. IF STORAGE CONTAINERS ARE EXPOSED TO EXCESSIVE HEAT, OVER PRESSURIZATION OF THE CONTAINERS CAN RESULT. VAPOR IS HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR THROUGH VENTILATION SYSTEM CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. KEEP WORK AREAS FREE OF HOT METAL SURFACES AND OTHER SOURCES OF IGNITION.
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. 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

BOILING POINT: (760mmHg) 126 C / 259 F (N-BUTYL ACETATE)	MELTING/FREEZING POINT: -77 C / -107 F (N-BUTYL ACETATE)
VAPOR PRESSURE: 15 mmHg@68°F/25°C (N-BUTYL ACETATE)	VAPOR DENSITY (AIR=1): 4.0 (N-BUTYL ACETATE)
SOLUBILITY IN H2O % BY WT: COMPLETE / REACTS	% VOLATILES BY VOL: 15%
EVAPORATION RATE (BuAc=1): SLOW 1.0 (N-BUTYL ACETATE)	SPECIFIC GRAVITY (H2O=1) 1.09
pH (AS IS): N/A	pH (1% SOLN): N/A
APPEARANCE AND ODOR: COLORLESS TO PALE YELLOW VISCOUS LIQUID, ODORLESS	
FLASH POINT: (TEST METHOD)	76° F (24.5°C) (TCC) (N-Butyl Acetate)
AUTOIGNITION TEMP:	425°C / 797°F
FLAMMABLE LIMITS IN AIR, % BY VOL:	LOWER: 1.7% UPPER: 7.6%

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. REACTS WITH WATER.
HAZARDOUS DECOMPOSITION PRODUCTS:	THERMAL DECOMPOSITION IN THE PRESENCE OF AIR MAY YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE, OXIDES OF NITROGEN AND UNIDENTIFIED ORGANICS.
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION:	N/A WILL NOT OCCUR

SECTION XI TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	ORAL LD50	LD50 – RAT – 900 mg/kg
	INHALATION LC50	LC ON INHALATION – RAT – 4HRS – 2730 ppm
		REMARKS: SENSE ORGANS AND SPECILA SENSES (NOSE, EYE, EAR AND TASTE): OLFACTION: OTHER CHANGES. SENSE ORGANS AND SPECIAL SENSES (NOSE, EYE, EAR, AND TASTE) EYE: OTHER . LUNGS, THORAX OR RESPIRATION : DYSPNEA.
	DERMAL LD50	LD50 – RABBIT – 1,796 mg/kg
	OTHER INFORMATION ON ACUTE TOXICITY	NO DATA AVAILABLE
SKIN CORROSION/IRRITATION	NO DATA AVAILABLE	
SERIOUS EYE DAMAGE/EYE IRRITATION	NO DATA AVAILABLE	
RESPIRATORY OR SKIN SENSITIZATION	MAY CAUSE ALLERGIX SKIN REACTION	
GERM CELL MUTAGENICITY	NO DATA AVAILABLE	
CARCINOGENICITY	IARC	3- GROUP 3: NOT CLASSIFIED AS TO ITS CARCINOGENICITY TO HUMANS (BUTYL ACETATE)
	NTP	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP
	OSHA	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA
REPRODUCTIVE TOXICITY	REPRODUCTIVE TOXICITY – RAT – INHALATION	MATERNAL EFFECTS: OTHER EFFECTS. EFFECTS ON FERTILITY: POST IMPLANTATION MORTALITY (E.G. DEAD AND OR RESSORBED IMPLANTS PER TOTAL NUMBER OF IMPLANTS).
	REPRODUCTIVE TOXICITY – RAT INHALATION	EFFECTS ON FERTILITY: POST IMPLATION MORTALITY (E.G. DEAD AND OR RESORBED IMPLANTS PER TOTAL NUMBER OF IMPLANTS).
TERATOGENICITY	NO DATA AVAILABLE	
SPECIFIC TRAGET ORGAN TOSICITY – SINGLE EXPOSURE (GLOGALLY HARMONIZED SYSTEM)	MAY CAUSE RESPIRATORY IRRITATION	
SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE (GLOBALLY	NO DATA AVAILABLE	

HARMONIZED SYSTEM)	NO DATA AVAILABLE	
ASPIRATION HAZARD	NO DATA AVAILABLE	
POTENTIAL HEALTE EFFECTS	INHALATION	MAY BE HARMFUL IF INHALED. CAUSES RESPIRATORY TRACT IRRITATION.
	INGESTION	HARMFUL IF SWALLOWED.
	SKIN	HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SKIN IRRITATION.
	EYES	CAUSED EYE IRRITATION.
SIGNS AND SYMPTOMS OF EXPOSURE	TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. COUGH, SHORTNESS OF BREATH, HEADACHE, NAUSEA, VOMITING.	
SYNERGISTIC EFFECTS	NO DATA AVAILABLE	

SECTION XII ECOLOGICAL INFORMATION

TOXICITY	TOXICITY TO FISH	LC50 – ONCORHYNCHUS MYKISS (RAINBOW TROUT) – 5.2 mg/L – 96HRS.
	TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES	EC50 – DAPHNIA MAGNA (WATER FLEA) – 8.2 <g/L – 48 HRS.
PERSISTENCE AND DEGRADABILITY	NO DATA AVAILABLE	
BIOACCUMULATIVE POTENTIAL	NO DATA AVAILABLE	
MOBILITY IN SOIL	NO DATA ABAILABLE	
PBT AND vPvB ASSESSMENT	NO DATA AVAILABLE	
OTHER ADVERSE EFFECTS	AN ENVIRONMENTAL HAZARD CANNOT BE EXCLUDED IN THE EVENT OF UNPROFESSIONAL HANDLING OR DISPOSAL. TOXIC TO AQUATIC LIFE AVOID RELEASE TO THE 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	
MARINE POLLUTANT:	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 64742-95-6.
CERCLA: IF THE REPORTABLE QUANTITY OF THIS PRODUCT IS ACCIDENTALLY SPILLED, THE INCIDENT IS SUBJECT TO THE PROVISIONS OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA) AND MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER BY CALLING 1-800-424-8802 or 202-426-2675. THE REPORTABLE SPILL QUANTITY (RQ) OF THIS PRODUCT IS 5,000 POUNDS (BUTYL ACETATE).
SARA TITLE III: UNDER THE PROVISIONS OF TITLE III, SECTIONS 311/312 OF THE SUPERFUND AMENDMENTS AND RE-AUTHORIZATION ACT, THIS PRODUCT IS CLASSIFIED INTO THE FOLLOWING HAZARD CATEGORIES: DELAYED HEALTH, FIRE
ADDITIONAL REGULATORY CONCERNS: (FEDERAL, FDA, USDA, CPSC, STATE, OTHER) FEDERAL:
FDA:
USDA:
CERCLA / RQ: 5000 POUNDS (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
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			KEY 4 -- SEVERE
POWERCOAT UV+ HD WB PART B CLEAR/MATTE	NPCA- HMIS	NFPA 704	3 -- SERIOUS
HEALTH	2	2	2 -- MODERATE
FLAMMABILITY	2	2	1 -- SLIGHT
REACTIVITY	1	1	0 -- MINIMAL