

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
PIGMENTED PART A

SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION:	
POWERCOAT UV+HD WB PART A PIGMENTED	
VOC CONTENT: AS APPLIED: <340 GRAMS/LITER OR <2.83#/GAL Part A ONLY: 244 g/L OR 2.03#/GAL Part B ONLY: 165 g/L OR 1.37#/GAL	
CATEGORY: INDUSTRIAL MAINTENANCE COATING (OTC LIMIT 340 g/L)	
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
PIGMENTS			
1. TITANIUM DIOXIDE (TiO2)	1363-67-1	5-10%	OSHA PEL: 15mg/m (total dust) ACGIH TLV: 15mg/m (total dust)
2. CALCIUM CARBONATE	1317-65-3	5-10%	OSHA TWA 5.0 mg/m3 RESP. OSHA TWA 15.0 mg/m3 TOTAL
3. SILICA	14808-60-7	1-5%	ACGIH TWA: 0.05 mg/m3 RESP OSHA TWA 0.1 mg/m3 RESP OSHA TWA 0.3 mg/m3 TOTAL OSHA PEL: 5 mg/m3 RESP OSHA PEL: 15 mg/m3 TOTAL

(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:

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:	<u>USE PROPER GROUNDING</u>
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 SHOVELLED INTO CONTAINERS. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO EPA, FEDERAL, STATE, AND LOCAL DISPOSAL REGULATIONS.
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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.
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:XYLENE	
ACUTE ORAL TOXICITY	LD50 (RAT MALE): 3,523 mg/kg METHOD: EU METHOS B.1 (ACUTE ORAL TOXICITY) GLP: NO
ACUTE INHALATION TOXICITY	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 SHOR TERM INHALATION
ACUTE DERMAL TOXICITY	LD50 (RABBIT): 1,100 mg/kg ASSESSMENT: THE COMPONENT/MIXTURE IS MODERATELY TOXIC AFTER SINGLE CONTACT WITH SKIN.
SKIN CORROSION/IRRITATION	SPECIES: RABBIT EXPOSURE TIME: 24 HOURS RESULT: IRRITATING TO SKIN
SERIOUS EYE DAMAGE/EYE IRRITATION	SPECIES:RABBIT RESULT: IRRITATING TO EYES
RESPIRATORY OR SKIN SENSITISATION	REMARKS: NO DATA AVAILABLE
GERM CELL MUTAGENICITY	
GENOTOXICITYIN VITRO	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 AVTIVATION: WITH AND WITHOUR METABOLIC ACIVATION RESULT: NEGATIVE
GENOTOXICITYIN VIVO	TEST TYPE: DOMINANT LETHAL ASSAY TEST SPECIES: MOUSE APPLICATION ROUTE: SUBCUTANEOUS EXPOSURE TIME: 8 WEEKS METHOS: OECD TEST GUIDELINE 478 RESULT: NEGATEVE GLP: NO
GERM CELL MUTAGENICITY- ASSESSMENT	ANIMAL TESTING DID NOT SHOW AN MUTAGENIC EFFECTS
CARCINOGENICITY	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 RESULTE: DID NOT DISPLAY CARCINOGENIC PROPERTIES GLP: NO DATA AVAILABLE
CARCINOGENICITY ASSESSMENT (XYLENE)	ANIMAL TESTING DIDN NOT SHOW ANY CARCINOGENIC EFFECTS
CARCINOGENICITY ASSESSMENT (ETHYL BENZENE)	NO CLASSIFIEDAS A HUMAN CARCINOGEN.
EFFECTS ON FERTILITY	TEST TYPE: TWO- GENERATION STUDY SPEICES: RAT, MALE AND FEMALE APPLICATION ROUTE: INHALATION DOES: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
EFFECTS ON FOETAL DEVELOPMENT	SPECIES: RAT APPLICATION ROUTE: INHALATION DOSE: 0, 100, 500, 1000 AND 2000ppm DURATION OF SINGLE TREATMENT: 14DAYS GREQUENCY OF TREATMENT: 6 HR/DAY GENERAL TOXICITY MATERNAL: NOAEC: 500 ppm TERAOGENICITY: NOAEC: >2,000 DEVELOPMENTAL TOXICITY: NOAED: 100 ppm RESULT: 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 CALSSIFIABLE.
STOT – SINGLE EXPOSURE	EXPOSUE ROUTE: INHALATION TARGET ORGANS: RESPIRATOR SYSTEM ASSESSMENT: MAY CAUSE RESPIRATORY IRRITATION. THE SUBSTANCE OR MIXTURE IS CLASSIFIED AS SPECIFIC TRAGET ORGAN TOXICITY, SINGLE EXPOSURE CATEGORY 3 WITH RESPIRATORY TRACT IRRITATION.
STOT – REPEATED EXPOSURE	TARGET ORGAN: KIVER, KIN=DNEY, CENTRAL NERVOUS SYSTEM ASSESSMENT: MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. THE SUBSTANCE OR MIXTURE IS CALSSIFIED AS SPECIFIC TARGET ORGAN TOXICANT, REPEATED EXPOSURE CATEGORY 2.
REPEATED DOSE TOXICITY	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 TARGE ORGANTOXICANT, REPEATED EXPOSURE, CATEGORY 2.
ASPIRATION TOXICITY	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS
FURTHER INFORMATION	REMARKS: SOLVENT MAY DEGREASE THE SKIN.

SECTION XII ECOLOGICAL INFORMATION

ECOTOXICITY	
TOXIC TO FISH	LC50 (ONCORHYNCHUS MYKISS (RAINBOW TROUT): 2.6 mg/l EXPOSURE TIME: 96 HRS METHOD : OECD TEST GUIDELINE 203
TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES	EC50 (DAPHNIA MAGNA (WATER FLEA)) : 1 mg/l EXPOSURE TIME: 24 h TEST TYPE: STATIC TEST 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 POTENTIAL	
PARTITION COEFFICIENT : n- OCTANOL/WATER	LOW POW: 2.77 – 3.15
MOBILITY IN SOIL	NO DATA AVAILABLE
OTHER ADVERSE EFFECTS	NO DATA AVAILABLE
REGULATION	40 CFR PROTECTION OF 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 DENIED BY THE US CLEAN AIR ACT SECTION 602 (40 CFR 82, SUBPT. A , APP. A + B).
ADDITIONAL ECOLOGICAL INFORMATION	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

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

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 NOT 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: 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+ WB PART A PIGMENTED	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 PIGMENTED PART B
	FLAMMABILITY	2	
	REACTIVITY	1	

SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION: POWERCOAT UV+ HD WB PIGMENTED PART B	
VOC CONTENT: AS APPLIED: <340 GRAMS/LITER OR 2.83#/GAL Part A Pigmented ONLY: 244 g/L OR 2.03#/GAL PART B ONLY: 165 GRAMS/LITER OR 1.37#/GAL	
CATEGORY: INDUSTRIAL MAINTENANCE COATING (OTC)	
COMMON NAME: URETHANE COATING	
MANUFACTURER:	VEXCON CHEMICALS, INC.
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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	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
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

ROUTES 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	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:	USE PROPER GROUNDING
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.
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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 (N-BUTYL ACETATE)
FLAMMABLE LIMITS IN AIR, % BY VOL:	LOWER: 1.7% UPPER: 7.6% (N-BUTYL ACETATE)

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-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 RESPIRATION DYSPHNEA	
	DERMAL	LD50 DERMAL – RABBIT – 1.796 mg/kg
	OTHER INFROMATIONON 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 REATICION.	
GERM CELL MUTAGENICITY	NO DATA AVAILABLE	
CARCINOGENICITY	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.	
REPRODUCTIVE TOXICITY	REPRODUCTIVE TOXICITY – RAT – INHALATION	
	MATERNAL EFFECTS: OTHER EFFECTS . EFFECTS ON FERTILITY: POST-IMPLANTATION ORTALITY (E.G. DEAD AND/OR RESORDVED 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)	
TERATOGENICITY	NO DATA AVAILABLE	
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE	MAY CAUSE RESPIRATOR IRRITATION.	
SPECIFIC TARGE ORGAN TOXICITY – REPEATED EXPOSURE	NO DATA AVAILBLE	
ASPIRATION HAZARD	NO DATA AVAILABLE	
POTENTIAL HEALTH 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	CAUSES EYE IRRITATION.
SIGNS AND SYMPTOMS OF EXPOSURE	TO THE BEST OF OUR KNOWLEDGE THE CHEMICAL. PHISICAL AND TOXICOLOGICAL PROPERTIES HAV NOT BEEN THOROUGHLY INVESTIGATED. COUGH SHORTNESS OF BREATH , HEADACHE, NAUSEA, VOMITING.
SYNERGISTIC EFFECTS	NOT DATA AVAILABLE

SECTION XII ECOLOGICAL INFORMATION

TOXICITY	
TOXICITY TO FISH	LC50 – ONCORHYNCHUS MYKISS (RAINBOW TROUT) – 5.2 mg/l – 96HR
TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES	EC5- - DAPHNIA MAGNA (WATER FLEA) – 8.2 mg/l – 48 HR.
PERSISTENCE AND DEGRADABILITY	NO DATA AVAILABLE
BIOACCUMULATIVE POTENTIAL	NO DATA AVAILABLE
MOBILITY IN SOIL	NO DATA AVAILABLE
PBT AND vPvB ASSESSMENT	NO DATA AVAILABLE
OTHER ADVERSE EFFECTS	AN ENVIROMENTAL HAZARD CANNOT BE EXCLUDED IN THE EVENT OF EUOPRFSSIONAL 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	
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 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: 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

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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			KEY 4 -- SEVERE
POWERCOAT UV+ HD WB PIGMENTED PART B	NPCA- HMIS	NFPA 704	3 -- SERIOUS
HEALTH	2	2	2 -- MODERATE
FLAMMABILITY	2	2	1 -- SLIGHT
REACTIVITY	1	1	0 -- MINIMAL