

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

HEALTH	3
FLAMMABILITY	1
REACTIVITY	1

SAFETY DATA SHEET
 VEXCON NO. EFCP110

STARSEAL EF EPOXY PART A CLEAR/MATTE/PIGMENTED

SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION: STARSEAL EF EPOXY PART A CLEAR - GLOSS/MATTE, PIGMENTED	
VOC CONTENT: <200 GRAMS/LITER OR <1.66 #/GAL. Part A Clear: 140.1 43% Part A Pig.: 142.3 57% Part B Clear: 266.3 57% Part B Pig.: 266.3 43% AS APPLIED: 155.03 100% AS APPLIED: 195.62 100%	
CATEGORY: INDUSTRIAL MAINTENANCE COATING (OTC 340 g/L)	
COMMON NAME: EPOXY COATING	
MANUFACTURER:	VEXCON CHEMICALS, INC.
ADDRESS:	7240 STATE RD., PHILA., PA 19135 USA
EMERGENCY NO:	1-800-858-2828 (PolySat)
TELEPHONE NO:	1-215-332-7709 (Vexcon)
CHEMTREC NO:	1-800-424-9300 (CCN#23822)
PREPARED:	APRIL 2000
UPDATED:	NOVEMBER 2017

SECTION II - HAZARD IDENTIFICATION


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


SINGLE WORD: DANGER

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

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

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





SECTION III HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENTS	CAS NO.	%	HAZARD DATA	UN#
STYRENE ACRYLATE POLYMER	25036-16-2	20-30%	ND	1993
EPOXY HARDENER	TRADE SECRET NJRTK 678290-00-25111	20-40%	CORROSIVE SKIN/ORAL	2735
SOLVENT NAPHTHA (Petroleum), LIGHT AROMATIC (AROMATIC 100)	64742-95-6	1-5%	TLV 50ppm OSHA HAZARD: COMBUSTIBLE LIQUID EXXON/MOBIL RCP 19ppm (TWA)	1268
PERFORMANCE ADDITIVES (EMULSIFIERS)	N/A	1-5%	N/D	N/A
WATER	N/A	BAL	N/D	NONE
PIGMENTS IF COLORED, MATTING AGENTS IF MATTE				
COMPONENT	CAS NO.	%	HAZARD DATA	UN#
TITANIUM DIOXIDE (TiO2)	1363-67-1	1-15	OSHA PEL: 15mg/m (total dust) ACGIH TLV: 15mg/m (total dust)	N/A
CALCIUM CARBONATE	1317-65-3	1-20%	OSHA TWA 5.0 mg/m3 RESP. OSHA TWA 15.0 mg/m3 TOTAL	N/A
ADDITIONAL PIGMENTS VARY BY COLOR	N/A	1-5%	OSHA PEL: 15mg/m (total dust) ACGIH TLV: 15mg/m (total dust)	N/A
SILICA	14808-60-7	1-10%	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	
THE AROMATIC SOLVENT PORTION CONTAINS THE FOLLOWING SECTION 313 REPORTABLE INGREDIENTS:				
COMPONENT	CAS NO.	MAX %	HAZARD DATA	UN#
1,2,4-TRIMETHYL BENZENE (PSEUDOCUMENE)	95-63-6	<32.0 %	OSHA PEL: NE ACGIH TLV: 25ppm (TWA)	1993
XYLENES	1330-20-7	<2.2%	OSHA Z1 100ppm (TWA) ACGIH TLV 100ppm (TWA)	1307
CUMENE	98-82-8	<1.1%	OSHA Z1 50ppm (TWA) ACGIH TLV 50ppm (TWA)	1918

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. VAPOR INHALATION CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA OR HEADACHE. AROMATIC SOLVENT COMPONENT.
SKIN CONTACT:	THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT. AROMATIC SOLVENT COMPONENT.
SKIN ABSORPTION:	THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT. AROMATIC SOLVENT COMPONENT.
EYE CONTACT:	THIS PRODUCT MAY BE AN EYE IRRITANT. AROMATIC SOLVENT COMPONENT.
INGESTION / INHALATION	CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING. SMALL AMOUNTS OF LIQUID ASPIRATED INTO THE RESPIRATORY SYSTEM DURING INGESTION, OR FROM VOMITING, MAY CAUSE BRONCHOPNEUMONIA OR PULMONARY EDEMA. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.
EFFECTS OF OVEREXPOSURE:	TLV 50 ppm AR-100 ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS. LIQUIDS MODERATELY IRRITATING ON SKIN AND EYES.
ACUTE OVEREXPOSURE:	ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS: MODERATE IRRITATION BY LIQUID TO SKIN AND EYES.
EMERGENCY AND FIRST AID PROCEDURES:	
EYES:	FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN.
SKIN:	WASH WITH SOAP AND LARGE QUANTITIES OF WATER. SEEK MEDICAL ATTENTION IF SKIN IRRITATION DEVELOPS AND PERSISTS.
INHALATION:	MOVE TO LOCATION FREE FROM VAPORS. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF 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:	PRODUCT WILL BURN IF TEMPERATURE EXCEEDS BOILING POINT. IF STORAGE CONTAINERS ARE EXPOSED TO EXCESSIVE HEAT, OVER PRESSURIZATION OF THE CONTAINERS CAN RESULT. KEEP WORK AREAS FREE OF HOT METAL SURFACES

SPECIAL FIRE FIGHTING PROCEDURES	AND OTHER SOURCES OF IGNITION. THE USE OF SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE SHOULD BE PROVIDED FOR FIRE FIGHTERS IN BUILDINGS OR CONFINED AREAS WHERE THIS PRODUCT IS STORED. STORAGE CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY IN ORDER TO PREVENT PRESSURE BUILD UP. USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL. ISOLATE "FUEL" SUPPLY FROM FIRE.
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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). PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP IS COMPLETE. PREVENT ADDITIONAL DISCHARGE OF MATERIAL; IF POSSIBLE TO DO SO WITHOUT HAZARD. FOR SMALL SPILLS, IMPLEMENT CLEANUP PROCEDURES. FOR LARGE SPILL, IMPLEMENT CLEAN UP PROCEDURES AND, IF IN PUBLIC AREA, KEEP PUBLIC AWAY AND ADVISE AUTHORITIES. 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 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 CONTAINERS COOL, DRY, AND AWAY FROM SOURCES OF IGNITION. KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE WITH INCOMPATIBLE MATERIALS. STORE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. DO NOT STORE OR CONSUME FOOD, DRINK, OR TOBACCO IN AREAS WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL. KEEP AWAY FROM HIGH TEMPERATURES, OPEN FLAMES, SPARKS, SOURCES OF IGNITION, ETC. USE WITH EXPLOSION PROOF EQUIPMENT IS HIGHLY ADVISABLE.

SECTION VIII EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION REQUIREMENTS:	LOCAL MECHANICAL VENTILATION MAY BE SUFFICIENT TO KEEP PRODUCT VAPOR CONCENTRATIONS WITHIN SPECIFIED TIME-WEIGHTED TLV RANGES. IF LOCAL VENTILATION PROVES INADEQUATE TO MAINTAIN SAFE VAPOR CONCENTRATIONS, SUPPLEMENTAL LOCAL EXHAUST MAY BE REQUIRED. OTHER SPECIAL PRECAUTIONS SUCH AS RESPIRATORY MASKS OR ENVIRONMENTAL CONTAINMENT DEVICES MAY BE REQUIRED IN EXTREME CASES.
RESPIRATORY (SPECIFY IN DETAIL):	THE USE OF RESPIRATORY PROTECTION DEPENDS ON VAPOR CONCENTRATION ABOVE THE TIME WEIGHTED TLV: USE OF OSHA APPROVED CARTRIDGE RESPIRATOR OR GAS MASK OR AIR-PACK. CHEMICAL CARTRIDGE RESPIRATOR: HALF MASK ORGANIC VAPOR CARTRIDGE. FULL FACE ORGANIC VAPOR CARTRIDGE IF EYE PROTECTION IS NEEDED.
EYES:	CHEMICAL GOGGLES AND/OR FACE SHIELD ARE RECOMMENDED TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY.
GLOVES:	THE USE OF IMPERMEABLE GLOVES IS ADVISED TO PREVENT SKIN IRRITATION IN SENSITIVE INDIVIDUALS. IMPERVIOUS GLOVES, (CHEMICAL RESISTANT) SUCH AS NEOPRENE, LATEX OR PVA.
OTHER CLOTHING AND EQUIPMENT:	TO PREVENT BODY CONTACT, 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) 98.8°C / 210°F	MELTING/FREEZING POINT: -14 C / 7 F (AR100)
VAPOR PRESSURE: 1.97 mmHg@68°F/20°C (AR100)	VAPOR DENSITY (AIR=1): 4.2 (AR100)
SOLUBILITY IN H2O % BY WT: SOLUBLE	% VOLATILES BY VOL: 20-30%
EVAPORATION RATE (BuAc=1): 0.27 SLOW (AR100)	SPECIFIC GRAVITY (H2O=1) CLEAR 1.04 TYPICAL PIGMENTED 1.15 TYPICAL
pH (AS IS): 8-9 TYPICAL	pH (1% SOLN): N/A
APPEARANCE AND ODOR:	PAINT, VARIOUS COLORS, SLIGHTLY SWEET EMULSION ODOR
FLASH POINT: (TEST METHOD)	>100°C / >212°F (TCC)
AUTOIGNITION TEMP:	N/D
FLAMMABLE LIMITS IN AIR, % BY VOL:	N/D

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, SELECTED AMINES, AND ISOCYANATES.
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

ROUTE OF EXPOSURE	CONCLUSION/REMARKS	
INHALATION	TOXICITY	MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS. BASED ON TEST DATA FOR THE MATERIAL
	IRRITATION	MAY BE IRRITATING TO THE RESPIRATORY TRACT. THE EFFECTS ARE REVERSIBLE. BASED ON TEST DATA FOR STRUCTURALLY SIMILAR MATERIALS.
INGESTION	TOXICITY: LD50 >3000 mg/kg	MINIMALLY TOXIC. BASED ON TEST FOR STRUCTURALLY SIMILAR MATERIALS
SKIN	TOXICITY LD50 >3160 mg/kg	MINIMALLY TOXIC. BASED ON TEST DATA FOR THE MATERIAL
	IRRITATION	MILDLY IRRITATING TO SKIN WITH PROLONGED EXPOSURE. BASED ON TEST DATA FOR THE MATERIAL
EYE	IRRITATION	MAY CAUSE MILD, SHORT-LASTING DISCOMFORT TO EYES. BASED ON TEST DATA FOR THE MATERIAL.
CHRONIC/OTHER EFFECTS	VAPOR/AEROSOL CONCENTRATIONS ABOVE RECOMMENDED EXPOSURE LEVELS ARE IRRITATING TO THE EYES AND RESPIRATORY TRACT, MAY CAUSE HEADACHES, SIZZINESS, ANESTHESIA, DROWINESS, UNCONSCIOUSNESS AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING DEATH.	
	PROLONGED AND/OR REPEATED SKIN CONTACT WITH LOW VISCOSITY MATERIALS MAY DEFAT THE SKIN RESULTING IN POSSIBLE IRRITATION AND DERMATITIS.	
	SMALL AMOUNTS OF LIQUID ASPIRATED INTO THE LUNGS DURING INGESTION OF FROM VOMITING MAY CAUSE CHEMICAL PNEUMONITIS OR PULMONARY EDEMA.	
CONTAINS CUMENE	REPEATED INHALATION EXPOSURE OF CUMENE VAPOR PRODUCED DAMAGES IN THE KIDNEY OF MALE RATS ONLY. THESE EFFECTS ARE BELIEVED TO BE SPECIES SPECIFIC AND ARE NOT RELEVANT TO HUMANS.	

SECTION XII ECOLOGICAL INFORMATION

THE INFORMATION GIVEN IS BASED ON DATA AVAILABLE FOR THE MATERIAL, THE COMPONENTS OF THE MATERIAL, AND SIMILAR MATERIALS.	
ECOTOXICITY	MATERIAL – EXPECTED TO BE TOXIC TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
MOBILITY	MATERIAL – HIGHLY VOLATILE, WILL PARTITION RAPIDLY TO AIR. NOT EXPECTED TO PARTITION TO SEDIMENT AND WASTEWATER SOLIDS.
PERSISTENCE AND DEGRADABILITY	
BIODEGRADATION	MATERIAL – EXPECTED TO READILY BIODEGRADABLE.
HYDROLYSIS	MATERIAL- TRANSFORMATION DUE TO HYDROLYSIS NO EXPECTED TO BE SIGNIFICANT.
PHOTOLYSIS	MATERIAL – TRANSFORMATION DUE TO PHOTOLYSIS NOT EXPECTED TO BE SIGNIFICANT.
ATMOSPHERIC OXIDATION	MATERIAL – EXPECTED TO DEGRADE RAPIDLY IN AIR.

SECTION XIII DISPOSAL CONSIDERATIONS

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
DOT	GROUND	NON REGULATED	NON REGULATE D	NON REGULATED	NA
IATA	AIR	NON REGULATED	NON REGULATE D	NON REGULATED	NA
IMDG	OCEAN	NON REGULATED	NON REGULATE D	NON REGULATED	NA
MARINE POLLUTANT:			THIS PRODUCT DOES CONTAIN A MATERIAL. ON THE MARINE POLLUTANTS TABLE (HMT 172.101 APPENDIX B) AROMATIC 100		

SECTION XV REGULATORY INFORMATION

<p>TSCA: THE SOLVENT PORTION OF THIS PRODUCT IS LISTED ON THE TSCA INVENTORY AS A UVCB (UNKNOWN, VARIABLE COMPOSITION OR BIOLOGICAL) CHEMICAL AT CAS REGISTRY NUMBER 64742-95-6 (AROMATIC 100).</p>
<p>CERCLA: IF THE REPORTABLE QUANTITY OF THIS PRODUCT IS ACCIDENTALLY SPILLED, THE INCIDENT IS SUBJECT TO THE PROVISIONS OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA) AND MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER BY CALLING 1-800-424-8802 or 202-426-2675. NO REPORTABLE SPILL QUANTITY (RQ) HAS BEEN ESTABLISHED FOR THIS PRODUCT (AROMATIC SOLVENT NAPHTHA).</p>
<p>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</p>
<p>ADDITIONAL REGULATORY CONCERNS: (FEDERAL, FDA, USDA, CPSC, STATE, OTHER)</p>
<p>MARINE POLLUTANTS: THIS PRODUCT DOES CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 172.101 Appendix B). AROMATIC 100</p>
<p>CALIFORNIA PROP 65: WARNING: This product , if pigmented or matte, contains chemicals known to the state of California to cause cancer or birth defects or other reproductive harm. (Crystalline Silica particles of respirable size)</p>
<p>CERCLA / RQ: NONE ESTABLISHED. THIS PRODUCT DOES NOT CONTAIN A MATERIAL ON THE RQ TABLE (HMT 172.101 Appendix A).</p>
<p>TSCA: IS THIS PRODUCT, OR ALL ITS INGREDIENTS, BEING CERTIFIED FOR INCLUSION ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES? YES</p>

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.	

<p>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</p>			<p>KEY 4 -- SEVERE</p>
<p>STARSEAL EF EPOXY PART A</p>	<p>NPCA-HMIS</p>	<p>NFPA 704</p>	<p>3 -- SERIOUS</p>
<p>HEALTH</p>	<p>3</p>	<p>3</p>	<p>2 -- MODERATE</p>
<p>FLAMMABILITY</p>	<p>1</p>	<p>1</p>	<p>1 -- SLIGHT</p>
<p>REACTIVITY</p>	<p>1</p>	<p>1</p>	<p>0 -- MINIMAL</p>

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

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0

SAFETY DATA SHEET
 VEXCON NO. EFCP110



STARSEAL EF EPOXY PART B CLEAR/MATTE/PIGMENTED

SECTION III HAZARDOUS INGREDIENTS

SECTION I - GENERAL INFORMATION

PRODUCT IDENTIFICATION: STARSEAL EF EPOXY PART B - CLEAR GLOSS/MATTE, PIGMENTED	
VOC CONTENT: <200 GRAMS/LITER OR <1.66 #/GAL. Part A Clear: 140.1 43% Part A Pig.: 142.3 57% Part B Clear: 266.3 57% Part B Pig.: 266.3 43% AS APPLIED: 155.03 100% AS APPLIED: 195.62 100%	
CATEGORY: INDUSTRIAL MAINTENANCE COATING (OTC 340 g/L)	
COMMON NAME: EPOXY COATING	
MANUFACTURER:	VEXCON CHEMICALS, INC.
ADDRESS:	7240 STATE RD., PHILA., PA 19135 USA
EMERGENCY NO:	1-800-858-2828 (PolySat)
TELEPHONE NO:	1-215-332-7709 (Vexcon)
CHEMTREC NO:	1-800-424-9300 (CCN#23822)
PREPARED:	APRIL 2000
UPDATED:	NOVEMBER 2017

SECTION II - HAZARD IDENTIFICATION

<p>CLASSIFICATION OF MIXTURE FLAMMABLE LIQUID – CATEGORY 3 CARCINOGEN – CATEGORY 2 SPECIFIC TARGET ORGAN TOXICANT (CENTRAL NERVOUS SYSTEM) – CATEGORY 3 SPECIFIC TARGET ORGAN TOXICANT (RESPIRATORY IRRITANT) – CATEGORY 3 ASPIRATION TOXICANT – CATEGORY 1</p> <p>SINGLE WORD: DANGER</p> <p>HAZARD STATEMENTS: FLAMMABLE LIQUID AND VAPOR. MAY BE FATAL IF SWALLOWED AND ENTER AIRWAYS. MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS. SUSPECTED OF CAUSING CANCER.</p> <p>ENVIRONMENTAL HAZARDS: EXPECTED TO BE TOXIC TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.</p> <p>PRECAUTIONARY STATEMENT: FLAMMABLE USE ONLY WITH ADEQUATE VENTILATION; IF SWALLOWED, DO NOT INDUCE VOMITING; USE OF SOLVENT RESISTANT GLOVES, GOGGLES AND OTHER PROTECTIVE EQUIPMENT IS ADVISED WHEN HANDLING THIS PRODUCT; ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL; USE OF RESPIRATORS IS ADVISED WHEN USING PRODUCT IN CONFINED AREA. KEEP AWAY FOR HEAT/SPARKS/OPEN FLAMES/HOT SURFACES – NO SMOKING</p>	
	

MATERIAL OR COMPONENTS	CAS NO.	%	HAZARD DATA	UN#
BISPHENOL A EPOXY RESIN	25068-38-6	70-90%	ND	N/A
SOLVENT NAPHTHA (Petroleum), LIGHT AROMATIC	64742-95-6	5-15%	TLV 50 ppm OSHA HAZARD: COMBUSTIBLE	1268
ETHYLENE GLYCOL MONOPROPYL ETHER (PROPYL CELLOSOLVE)	002807-30-9	5-10%	OSHA HAZARD: COMBUSTIBLE LIQUID Dow IHG 20 ppm TWA ILO 20 ppm, 86 mg/m3	1993
CYCLOHEXANONE	108-94-1	1-5%	OSHA PEL 50 ppm, 200 mg/m3 TWA ACGIH TLV 20 ppm, 80 mg/m3 TWA NIOSH REL 25 ppm, 100 mg/m3 TWA	1915
PERFORMANCE ADDITIVES	N/A	1-5%	N/D	N/A
THE AROMATIC SOLVENT PORTION CONTAINS THE FOLLOWING SECTION 313 REPORTABLE INGREDIENTS:				
COMPONENT	CAS NO.	MAX%	HAZARD DATA	UN#
1,2,4-TRIMETHYL BENZENE (PSEUDOCUMENE)	95-63-6	<32.0 %	DOT LABEL: FLAMMABLE LIQUID OSHA PEL Not Estab. ACGIH TLV 25 ppm (TWA) NIOSH REL: 25 ppm (TWA) SARA SECTION 313	1993
XYLENES	1330-20-7	<2.2%	DOT LABEL: FLAMMABLE LIQUID OSHA Z1 100ppm (TWA) ACGIH TLV 100ppm (TWA) NIOSH REL 100 ppm (TWA) SARA SECTION 313 RQ 100 lbs	1307
CUMENE	98-82-8	<1.1%	OSHA Z1 50ppm (TWA) ACGIH TLV 50ppm (TWA) SARA SECTION 313	1918

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. AROMATIC 100 SOLVENT COMPONENT.
SKIN CONTACT:	THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT. AROMATIC 100 SOLVENT COMPONENT.
SKIN ABSORPTION:	THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT. AROMATIC 100 SOLVENT COMPONENT.
EYE CONTACT:	THIS PRODUCT MAY BE AN EYE IRRITANT. AROMATIC 100 SOLVENT COMPONENT.
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 AROMATIC 100 SOLVENT 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 DEFAT 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, DRY CHEMICALS, STEAM, OR WATER FOG. 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	THE USE OF SELF-CONTAINED BREATHING

FIGHTING PROCEDURES	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.
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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) RANGE 161-171°C / 322-340 F (AR100)		MELTING/FREEZING POINT: -14 C / 7 F (AR100)	
VAPOR PRESSURE: 1.97 mmHg@68°F/20°C (AR100)		VAPOR DENSITY (AIR=1): 4.2 (AR100)	
SOLUBILITY IN H2O % BY WT: N/A		% VOLATILES BY VOL: 40-60%	
EVAPORATION RATE (BuAc=1): 0.27 SLOW (AR100)		SPECIFIC GRAVITY (H2O=1) 0.95	
pH (AS IS): N/A		pH (1% SOLN): N/A	
APPEARANCE AND ODOR: CLEAR LIQUID WITH AROMATIC ODOR			
FLASH POINT: (TEST METHOD)	>42°C / >108°F (TCC) (AR100)		
AUTOIGNITION TEMP:	479°C / 894°F (AR100)		
FLAMMABLE LIMITS IN AIR, % BY VOL:	LOWER: 0.9% UPPER: 6.2% (AR100)		

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

ROUTE OF EXPOSURE	CONCLUSION/REMARKS	
INHALATION	TOXICITY	MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS. BASED ON TEST DATA FOR THE MATERIAL
	IRRITATION	MAY BE IRRITATING TO THE RESPIRATORY TRACT. THE EFFECTS ARE REVERSIBLE. BASED ON TEST DATA FOR STRUCTURALLY SIMILAR MATERIALS.
INGESTION	TOXICITY: LD50 >3000 mg/kg	MINIMALLY TOXIC. BASED ON TEST FOR STRUCTURALLY SIMILAR MATERIALS
SKIN	TOXICITY LD50 >3160 mg/kg	MINIMALLY TOXIC. BASED ON TEST DATA FOR THE MATERIAL
	IRRITATION	MILDLY IRRITATING TO SKIN WITH PROLONGED EXPOSURE. BASED ON TEST DATA FOR THE MATERIAL
EYE	IRRITATION	MAY CAUSE MILD, SHORT-LASTING DISCOMFORT TO EYES. BASED ON TEST DATA FOR THE MATERIAL.
CHRONIC/OTHER EFFECTS	VAPOR/AEROSOL CONCENTRATIONS ABOVE RECOMMENDED EXPOSURE LEVELS ARE IRRITATING TO THE EYES AND RESPIRATORY TRACT, MAY CAUSE HEADACHES, SIZZINESS, ANESTHESIA, DROWINESS, UNCONSCIOUSNESS AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING DEATH.	
	PROLONGED AND/OR REPEATED SKIN CONTACT WITH LOW VISCOSITY MATERIALS MAY DEFAT THE SKIN RESULTING IN POSSIBLE IRRITATION AND DERMATITIS.	
	SMALL AMOUNTS OF LIQUID ASPIRATED INTO THE LUNGS DURING INGESTION OF FROM VOMITING MAY CAUSE CHEMICAL PNEUMONITIS OR PULMONARY EDEMA.	
CONTAINS CUMENE	REPEATED INHALATION EXPOSURE OF CUMENE VAPOR PRODUCED DAMAGES IN THE KIDNEY OF MALE RATS ONLY. THESE EFFECTS ARE BELIEVED TO BE SPECIES SPECIFIC AND ARE NOT RELEVANT TO HUMANS.	

SECTION XII ECOLOGICAL INFORMATION

THE INFORMATION GIVEN IS BASED ON DATA AVAILABLE FOR THE

MATERIAL, THE COMPONENTS OF THE MATERIAL, AND SIMILAR MATERIALS.	
ECOTOXICITY	MATERIAL – EXPECTED TO BE TOXIC TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
MOBILITY	MATERIAL – HIGHLY VOLATILE, WILL PARTITION RAPIDLY TO AIR. NOT EXPECTED TO PARTITION TO SEDIMENT AND WASTEWATER SOLIDS.
PERSISTENCE AND DEGRADABILITY	
BIODEGRADATION	MATERIAL – EXPECTED TO READILY BIODEGRADABLE.
HYDROLYSIS	MATERIAL- TRANSFORMATION DUE TO HYDROLYSIS NOT EXPECTED TO BE SIGNIFICANT.
PHOTOLYSIS	MATERIAL – TRANSFORMATION DUE TO PHOTOLYSIS NOT EXPECTED TO BE SIGNIFICANT.
ATMOSPHERIC OXIDATION	MATERIAL – EXPECTED TO DEGRADE RAPIDLY IN AIR.

SECTION XIII DISPOSAL CONSIDERATIONS

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
DOT	GROUND (NON BULK)	NON REGULATED	NON REGULATED	NON REGULATED	NA
IATA	AIR	1866	RESIN SOLUTION	3	III
IMDG	OCEAN	1866	RESIN SOLUTION	3	III
MARINE POLLUTANT:	THIS PRODUCT DOES CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 172.101 APPENDIX B) AROMATIC 100				

SECTION XV REGULATORY INFORMATION

TSCA: THE SOLVENT PORTION OF THIS PRODUCT IS LISTED ON THE TSCA INVENTORY AS A UVCB (UNKNOWN, VARIABLE COMPOSITION OR BIOLOGICAL) CHEMICAL AT CAS REGISTRY NUMBER 64742-95-6 (AROMATIC 100).
CERCLA: IF THE REPORTABLE QUANTITY OF THIS PRODUCT IS ACCIDENTALLY SPILLED, THE INCIDENT IS SUBJECT TO THE PROVISIONS OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA) AND MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER BY CALLING 1-800-424-8802 or 202-426-2675.
THE REPORTABLE SPILL QUANTITY (RQ) OF THIS PRODUCT IS 5,000 POUNDS (GLYCOL ETHERS).
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)
THIS PRODUCT CONTAINS: XYLENE, CUMENE, and TRIMETHYLBENZENE
CERCLA / RQ: 5000 POUNDS (GLYCOL ETHERS)
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
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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.	

HMIS HAZARD RATINGS: THIS INFORMATION IS FOR PEOPLE TRAINED IN: NATIONAL PAINT AND COATINGS ASSOCIATIONS (NPCA) HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)	KEY
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NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 704) IDENTIFICATION OF FIRE HAZARDS OF MATERIALS			4 -- SEVERE
STARSEAL EF EPOXY PART B	NPCA- HMIS	NFPA 704	3 -- SERIOUS
HEALTH	2	2	2 -- MODERATE
FLAMMABILITY	2	2	1 -- SLIGHT
REACTIVITY	0	0	0 -- MINIMAL