

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

<b>HEALTH</b>	<b>3</b>
<b>FLAMMABILITY</b>	<b>2</b>
<b>REACTIVITY</b>	<b>0</b>

MATERIAL SAFETY DATA SHEET  
 VEXCON NO. RP225  
**CERTI-VEX EPOXY GROUT 100 PART A**

**SECTION I - GENERAL INFORMATION**

<b>PRODUCT IDENTIFICATION:</b> <b>CERTI-VEX EPOXY GROUT 100 PART A</b>	
<b>VOC CONTENT:</b>	PART A ONLY: <200 g/L OR <1.67 #/GAL. PART B ONLY: <325 g/L OR <2.71 #/GAL. AS APPLIED: <300 g/L OR <2.50 #/GAL.
<b>CATEGORY:</b>	NOT AN AIM VOC CATEGORY
<b>COMMON NAME:</b>	CONCRETE REPAIR MORTAR
<b>MANUFACTURER:</b>	<b>VEXCON CHEMICALS, INC</b>
<b>ADDRESS</b>	7240 STATE RD, PHILADELPHIA, PA 19135
<b>EMERGENCY NO.:</b>	800.858.2828 (PolySat Inc)
<b>TELEPHONE NO.:</b>	215.332.7709 (Vexcon)
<b>CHEMTREC NO.:</b>	800.424.9300 (CCN# 23822)
<b>PREPARED:</b>	JANUARY 2006
<b>UPDATED:</b>	JULY 2014
<b>PREPARED BY:</b>	DARRY F. MANUEL, PRESIDENT

**SECTION II - HAZARD IDENTIFICATION**





**DOT SHIPPING NAME:**  
 UN ID NUMBER / SHIPPING NAME / HAZARD CLASS / PKG GROUP  
 IN CONTAINERS LESS THAN 119 GALS:  
**(NON-REGULATED)**

IN CONTAINERS GREATER THAN 119 GALS:  
**UN 1866, RESIN SOLUTION( AROMATIC 100), COMBUSTIBLE 3, PGIII**

**FOR LIMITED QUANTITY AIR & OCEAN SHIPMENT:**  
**UN 1866, RESIN SOLUTION (AROMATIC 100),  
 FLAMMABLE, 3, LIMITED QUANTITY**

**LTD QTY Limits:**  
 Resin Solution Flammable III:  
 Passenger Air Limit 60L (15.8gal);  
 Cargo Air Limit 220L (58.1gal)

**HEALTH AND SAFETY:** FLAMMABLE/COMBUSTIBLE LIQUID: USE ONLY WITH ADEQUATE VENTILATION: IF SWALLOWED, DO NOT INDUCE VOMITING: USE OF SOLVENT RESISTANT GLOVES, GOGGLES AND OTHER PROTECTIVE EQUIPMENT IS ADVISED WHEN HANDLING THIS PRODUCT: ASPIRATION OF MATERIAL INTO THE TECTIVE CLOTHING IS ADVISED WHEN HANDLING THIS PRODUCT.

**SECTION III HAZARDOUS INGREDIENTS**

MATERIAL OR COMPONENTS	CAS NO.	%	HAZARD DATA	UN#
STYRENE ACRYLATE POLYMER	25036-16-2	40-60%	ND	NONE
ETHYLENE GLYCOL MONOPROPYL ETHE	2807-30-9	1-5%	OSHA HAZARD: COMBUSTIBLE LIQUID Dow IHG 20 ppm TWA ILO 20 ppm, 86 mg/m3	1993
MODIFIED ALIPATIC AMINE	68610560	10-20%	CORROSIVE SKIN/ORAL	N/A
PIGMENT 1. TITANIUM DIOXIDE	1317-65-3	1-5%	OSHA PEL 15mg/m <sup>3</sup> (TWA)	NONE
PIGMENT 2. CALCIUM	1317-65-3	15-25%	OSHA TWA 5.0 mg/m <sup>3</sup> RESP.	NONE

CARBONATE			OSHA TWA 15.0 mg/ m <sup>3</sup> TOTAL	
SILICA	14808-60-7	10-20%	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	NONE
PERFORMANCE ADDITIVES	N/A	BAL	N/A	NONE
SOLVENT NAPHTHA (Petroleum), LIGHT AROMATIC	64742-95-6	1-5%	TLV 50ppm OSHA HAZARD: COMBUSTIBLE LIQUID	1268
<b>THE AROMATIC SOLVENT PORTION CONTAINS THE FOLLOWING SECTION 313 REPORTABLE INGREDIENTS:</b>				
COMPONENT	CAS NO.	%	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) NIOSH REL 100 ppm (TWA)	1307
CUMENE	98-82-8	<1.1%	OSHA Z1 50ppm (TWA) ACGIH TLV 50ppm (TWA)	1918 (ISOPROPYL BENZENE)

**SECTION IV FIRST AID MEASURES**

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

<b>ROUTES OF EXPOSURE:</b>	
<b>INHALATION:</b>	THIS PRODUCT MAY CREATE BREATHING DIFFICULTIES. DIZZINESS, LIGHTHEADEDNESS WHEN WORKING IN AREAS WITH HIGH VAPOR CONCENTRATION. VAPOR INHALATION CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA OR HEADACHE. AROMATIC 100 SOLVENT COMPONENT
<b>SKIN CONTACT:</b>	THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT. AROMATIC 100 SOLVENT COMPONENT
<b>SKIN ABSORPTION:</b>	THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT. AROMATIC 100 SOLVENT COMPONENT.
<b>EYE CONTACT:</b>	THIS PRODUCT MAY BE AN EYE IRRITANT. AROMATIC 100 SOLVENT.
<b>INGESTION / INHALATION</b>	SMALL AMOUNTS OF LIQUID ASPIRATED INTO THE RESPIRATORY SYSTEM DURING INGESTION, OR FROM VOMITING, MAY CAUSE BRONCHOPNEUMONIA OR PULMONARY EDEMA. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.
<b>EFFECTS OF OVEREXPOSURE:</b>	<b>TLV 100 ppm AR-100</b> ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS. LIQUIDS MODERATELY IRRITATING ON SKIN AND EYES.

<b>ACUTE OVEREXPOSURE:</b>	ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS; MODERATE IRRITATION BY LIQUID TO SKIN AND EYES. PROLONGED CONTACT ON THE SKIN WILL CLAY AND DEFAIT THE SKIN POSSIBLY CAUSING DERMATITIS.
<b>EMERGENCY AND FIRST AID PROCEDURES:</b>	
<b>EYES:</b>	FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEEK IMMEDIATE MEDICAL ATTENTION. CONSULT A PHYSICIAN.
<b>SKIN:</b>	WASH WITH SOAP AND LARGE QUANTITIES OF WATER. SEEK MEDICAL ATTENTION IF SKIN IRRITATION DEVELOPS AND PERSISTS.
<b>INHALATION:</b>	MOVE TO LOCATION FREE FROM VAPORS. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING STOPS, BEGIN ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION.
<b>INGESTION:</b>	DO NOT INDUCE VOMITING; SEEK IMMEDIATE MEDICAL ATTENTION.

**SECTION V FIREFIGHTING MEASURES**

<b>EXTINGUISHING MEDIA:</b>	EXCLUDE AIR. FIRES INVOLVING THIS PRODUCT MAY BE CONTROLLED BY <b>REGULAR FOAM, CARBON DIOXIDE, DRY CHEMICALS OR WATER SPRAY.</b> WATER MAY BE USED TO REDUCE THE RATE OF BURNING AND FOR COOLING PURPOSES. AVOID SPRAYING WATER DIRECTLY INTO STORAGE CONTAINERS DUE TO DANGER OF BOIL OVER.
<b>GENERAL HAZARD:</b>	<b>FLAMMABLE</b> - CAN FORM COMBUSTIBLE MIXTURES AT TEMPERATURES AT OR ABOVE THE FLASH POINT. <b>STATIC DISCHARGE</b> - MATERIAL CAN ACCUMULATE STATIC CHARGES WHICH CAN CAUSE AN INCENDIARY ELECTRICAL DISCHARGE. <b>"EMPTY" CONTAINERS</b> RETAIN PRODUCT RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF.
<b>ELECTRO-STATIC ACCUMULATION HAZARD:</b>	<u>USE PROPER GROUNDING</u>
<b>UNUSUAL FIRE AND EXPLOSION HAZARD:</b>	<b>VAPOR IS HEAVIER THAN AIR</b> AND MAY TRAVEL ALONG THE GROUND OR THROUGH VENTILATION SYSTEM CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. KEEP WORK AREAS <b>FREE OF HOT METAL</b> SURFACES AND OTHER SOURCES OF IGNITION.
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	THE USE OF <b>SELF-CONTAINED BREATHING APPARATUS</b> WITH FULL FACE PIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE SHOULD BE PROVIDED FOR FIRE FIGHTERS IN BUILDINGS OR CONFINED AREAS WHERE THIS PRODUCT IS STORED. STORAGE CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY IN ORDER TO PREVENT PRESSURE BUILD UP. USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL. ISOLATE "FUEL" SUPPLY FROM FIRE. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.

**SECTION VI ACCIDENTAL RELEASE MEASURES**

<b>STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:</b>
<b>LAND SPILL:</b> ELIMINATE SOURCES OF IGNITION. 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. ALSO, IF THIS PRODUCT IS SUBJECT TO CERCLA REPORTING NOTIFY THE NATIONAL RESPONSE CENTER. PREVENT LIQUID FROM ENTERING SEWERS, WATERCOURSES, OR LOW AREAS. CONTAIN SPILLED LIQUID WITH SAND OR EARTH. DO NOT USE COMBUSTIBLE MATERIALS SUCH AS SAWDUST. RECOVER BY PUMPING (USE AN EXPLOSION PROOF OR HAND PUMP) OR WITH A SUITABLE ABSORBENT. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO EPA, FEDERAL, STATE, AND LOCAL DISPOSAL REGULATIONS.
<b>WATER SPILL:</b> REMOVE FROM SURFACE BY SKIMMING OR WITH SUITABLE

ABSORBENTS. IF ALLOWED BY LOCAL AUTHORITIES AND ENVIRONMENTAL AGENCIES, SINKING AND/OR SUITABLE DISPERSANTS MAY BE USED IN NON-CONFINED WATERS. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO EPA, FEDERAL, STATE, AND LOCAL DISPOSAL REGULATIONS.

**SECTION VII HANDLING AND STORAGE**

<b>PRECAUTIONARY STATEMENTS:</b> PERSONNEL SHOULD AVOID INHALATION OF VAPORS. PERSONAL CONTACT WITH THE PRODUCT SHOULD BE AVOIDED. SHOULD CONTACT BE MADE, REMOVE SATURATED APPAREL AND FLUSH AFFECTED BODY AREAS WITH WATER. CLOTHING MUST BE WASHED AND DRIED BEFORE REUSE. CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE (VAPOR, LIQUID AND/OR SOLID). ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET MUST BE OBSERVED.
<b>FIRE FIGHTING:</b> WATER MAY BE UNSUITABLE AS AN EXTINGUISHING MEDIUM BUT HELPFUL IN KEEPING ADJACENT CONTAINERS COOL. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES. PERSONNEL SHOULD AVOID INHALATION OF VAPORS.
<b>OTHER HANDLING AND STORAGE REQUIREMENTS:</b> STORE AND USE IN WELL VENTILATED AREA, EQUIVALENT TO FRESH AIR. KEEP 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**

<b>VENTILATION REQUIREMENTS:</b> LOCAL MECHANICAL VENTILATION MAY BE SUFFICIENT TO KEEP PRODUCT VAPOR CONCENTRATIONS WITHIN SPECIFIED TIME-WEIGHTED TLV RANGES. IF LOCAL VENTILATION PROVES INADEQUATE TO MAINTAIN SAFE VAPOR CONCENTRATIONS, SUPPLEMENTAL LOCAL EXHAUST MAY BE REQUIRED. OTHER SPECIAL PRECAUTIONS SUCH AS RESPIRATORY MASKS OR ENVIRONMENTAL CONTAINMENT DEVICES MAY BE REQUIRED IN EXTREME CASES.
<b>RESPIRATORY (SPECIFY IN DETAIL):</b> THE USE OF RESPIRATORY PROTECTION DEPENDS ON VAPOR CONCENTRATION ABOVE THE TIME WEIGHTED TLV: USE OF OSHA APPROVED CARTRIDGE RESPIRATOR OR GAS MASK OR AIR-PACK. CHEMICAL CARTRIDGE RESPIRATOR: HALF MASK ORGANIC VAPOR CARTRIDGE. FULL FACE ORGANIC VAPOR CARTRIDGE IF EYE PROTECTION IS NEEDED.
<b>EYES:</b> CHEMICAL GOGGLES AND/OR FACE SHIELD ARE RECOMMENDED TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY.
<b>GLOVES:</b> THE USE OF IMPERMEABLE GLOVES IS ADVISED TO PREVENT SKIN IRRITATION IN SENSITIVE INDIVIDUALS. IMPERVIOUS GLOVES, (CHEMICAL RESISTANT) SUCH AS NEOPRENE, LATEX OR PVA.
<b>OTHER CLOTHING AND EQUIPMENT:</b> TO PREVENT BODY CONTACT, IMPERVIOUS CLOTHING AND BOOTS ARE RECOMMENDED. IMPERVIOUS APRONS AND HELMETS (HEAD COVER) ARE RECOMMENDED WHEN WORKING WITH THIS PRODUCT. THE AVAILABILITY OF EYE WASHES AND SAFETY SHOWERS IN WORK AREAS IS RECOMMENDED.

**SECTION IX PHYSICAL / CHEMICAL CHARACTERISTICS**

<b>BOILING POINT: (760mmHg)</b> 150 C / 302 F (EGPE/ GLYCOL ETHER PE)	<b>MELTING/FREEZING POINT:</b> 32 F / - 0°C
<b>VAPOR PRESSURE:</b> 1.6mmHG@68 F/20°C (EGPE/ GLYCOL ETHER PE)	<b>VAPOR DENSITY (AIR=1):</b> 3.6 (EGPE/ GLYCOL ETHER PE)
<b>SOLUBILITY IN H2O % BY WT:</b> MISCIBLE	<b>% VOLATILES BY VOL:</b> 20-25%
<b>EVAPORATION RATE (BuAc=1):</b> 0.2 SLOW (EGPE/ GLYCOL ETHER PE)	<b>REALITIVE DENSITY (H2O=1)</b> 1.28
<b>pH (AS IS):</b> N/A	<b>pH (1% SOLN):</b> N/A
<b>APPEARANCE AND ODOR:</b>	GRAY PIGMENTED LIQUID WITH SWEET PAINT SOLVENT ODOR
<b>FLASH POINT: (TEST METHOD)</b>	<b>57 °C (135 °F) (CC) (EGPE/ GLYCOL ETHER PE)</b>
<b>AUTOIGNITION TEMP:</b>	235°C / 455°F (EGPE/ GLYCOL ETHER PE)

<b>FLAMMABLE LIMITS IN AIR, % BY VOL:</b>	LOWER: 1.3% UPPER: 15.8% (EGPE/ GLYCOL ETHER PE)
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**SECTION X STABILITY AND REACTIVITY**

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

**SECTION XI TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY:	ROUTE OF EXPOSURE	COMMENTS/REMARKS
<b>INHALATION</b>	TOXICITY : DATA AVAILABLE	HARMFUL IF INHALED
<b>INGESTION</b>	TOXICITY :LD-50>3089MG/KG	HARMFUL IF SWALLOWED
<b>SKIN</b>	TOXICITY:LD-50>1337MG/KG	HARMFUL IF ABSORBED THROUGH SKIN.
<b>EYES</b>	IRRITATION: DATA AVAILABLE	MAY DRY THE SKIN LEADING TO DISCOMFORT AND DERMATTITS
	IRRITATION; DATA AVAILABLE	MAY CAUSE MILD , SHORT LASTING DISCOMFORT TO EYES.

**SECTION XII ECOLOGICAL INFORMATION**

<b>ECOTOXICITY</b>	MATERIAL- EXPECTED TO BE TOXIC TO AQUATIC ORGANIASMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
<b>MOBILITY</b>	MATERIAL-HIGHLY VOLATILE, WILL PARTITION RAPIDLY TO AIR. NOT EXPECTED TO PARTITION TO SEDIMENT AND WASTEWATER SOLIDS.
<b>BIODEGRADTION:</b>	MATERIAL- EXPECTED TO BE BIOGEGRADABLE.
<b>HYDROLYSIS:</b>	MATERIAL-TRANSFORMATION DUE TO HYDROLYSIS NOT EXPECTED TO BE SIGNIFICANT.
<b>PHOTOLYSIS:</b>	MATERIAL-TRANSFORMATION DUE TO PHOTOLYSIS NOT EXPECTED TO BE SIGNIFICANT.
<b>ATMOSPHERIC OXIDATION:</b>	MATERIAL- EXPECTED TO DEGRADE RAPIDLY IN AIR.

**SECTION XIII DISPOSAL CONSIDERATIONS**

<b>WASTE DISPOSAL METHOD:</b>	IF POSSIBLE, PUMP TO CONTROLLED CONTAINMENT AREA. ABSORB ON CLAY OR SAND. DISPOSE OF IN COMPLIANCE WITH EPA, FEDERAL, STATE, AND LOCAL REGULATIONS. TREATMENT, TRANSPORTATION AND DISPOSAL MUST BE IN COMPLIANCE WITH EPA FEDERAL, STATE, AND LOCAL REGULATIONS UNDER THE RESOURCES CONSERVATION AND RECOVERY ACT (RCRA, 40 CFR 261). TYPICALLY CONTROLLED BURNING, INCINERATION OR APPROVED LAND FILL SITES ARE AVAILABLE.
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**SECTION XIV TRANSPORTATION INFORMATION**

Governing Body	Mode	UN Number	Proper Shipping Name	Hazard Class	Packing Group
DOT	GROUND (NON BULK)	NON-REGULATE D	NON-REGULATE D	NON-REGULATED	NON REGULATED
DOT	GROUND (BULK)	1866	RESIN SOLUTION (AROMATIC 100 SOLUTION)	3,COMBUSTIBL E	III
IATA	AIR	1866	RESIN SOUCTION (AROMATIC 100 SOLUTION)	3, FLAMMABLE	III
IMDG	OCEAN	1866	RESIN SOLUTION (AROMATIC 100 SOLUTION)	3, FLAMMABLE	III
<b>MARINE POLLUTANT:</b>	THIS PRODUCT DOES NOT CONTAIN A MATER ON THE MARINE POLLUTANTS TABLE (HMT 172.101 APPENDIX B)				

**SECTION XV REGULATORY INFORMATION**

<b>TSCA:</b> THE SOLVENT PORTION OF THIS PRODUCT IS LISTED ON THE TSCA INVENTORY AS A UVCB (UNKNOWN, VARIABLE COMPOSITION OR BIOLOGICAL) CHEMICAL AT CAS REGISTRY NUMBER 64742-95-6 (aromatic 100).
<b>CERCLA:</b> IF THE REPORTABLE QUANTITY OF THIS PRODUCT IS ACCIDENTALLY SPILLED, THE INCIDENT IS SUBJECT TO THE PROVISIONS OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA) AND MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER BY CALLING 1-800-424-8802 or 202-426-2675. <b>THE REPORTABLE SPILL QUANTITY (RQ) OF THIS PRODUCT IS 5,000 POUNDS (GLYCOL ETHERS)</b>
<b>SARA TITLE III:</b> UNDER THE PROVISIONS OF TITLE III, SECTIONS 311/312 OF THE SUPERFUND AMENDMENTS AND RE-AUTHORIZATION ACT, THIS PRODUCT IS CLASSIFIED INTO THE FOLLOWING HAZARD CATEGORIES: ACUTE/ CHRONIC / FIRE (EGPE) FIRE
<b>ADDITIONAL REGULATORY CONCERNS:</b> (FEDERAL, FDA, USDA, CPSC, STATE, OTHER) FEDERAL / FDA / USDA:
<b>MARINE POLLUTANTS:</b> NO THIS PRODUCT DOES NOT CONTAIN A MATERIAL ON THE MARINE POLLUTANTS TABLE (HMT 172.101 Appendix B).
<b>CERCLA / RQ: 5000 POUNDS GLYCOL ETHERS,</b>
<b>TSCA:</b> IS THIS PRODUCT, OR ALL ITS INGREDIENTS, BEING CERTIFIED FOR INCLUSION ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES? <b>YES</b>

**SECTION XVI OTHER INFORMATION**

PREPARED BY	DARRYL MANUEL / PRESIDENT
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.	

**HMS HAZARD RATINGS:**

THIS INFORMATION IS FOR PEOPLE TRAINED IN: NATIONAL PAINT AND COATINGS ASSOCIATIONS (NPCA) HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) NATIONAL FIRE PROTECTION ASSOCIATION (NFFA 704) IDENTIFICATION OF FIRE HAZARDS OF MATERIALS			<b>KEY</b> 4 -- SEVERE
<b>CERTI-VEX EPOXY GROUT PART A</b>	<b>NPCA-HMIS</b>	<b>NFFA 704</b>	3 -- SERIOUS
<b>HEALTH</b>	<b>3</b>	<b>3</b>	2 -- MODERATE
<b>FLAMMABILITY</b>	<b>2</b>	<b>2</b>	1 -- SLIGHT
<b>REACTIVITY</b>	<b>0</b>	<b>0</b>	0 -- MINIMAL

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

<b>HEALTH</b>	<b>3</b>
<b>FLAMMABILITY</b>	<b>2</b>
<b>REACTIVITY</b>	<b>0</b>

MATERIAL SAFETY DATA SHEET  
 VEXCON NO. RP225  
**CERTI-VEX EPOXY GROUT 100 PART B**

**SECTION I - GENERAL INFORMATION**

<b>PRODUCT IDENTIFICATION:</b> <b>CERTI-VEX EPOXY GROUT 100 PART B</b>	
<b>VOC CONTENT:</b>	PART A ONLY: <200 g/L OR <1.67 #/GAL. PART B ONLY: <325 g/L OR <2.71 #/GAL. AS APPLIED: <300 g/LOR <2.50 #/GAL.
<b>CATEGORY:</b>	NOT AN AIM VOC CATEGORY
<b>COMMON NAME:</b>	CONCRETE REPAIR MORTAR
<b>MANUFACTURER:</b>	VEXCON CHEMICALS, INC
<b>ADDRESS</b>	7240 STATE RD, PHILADELPHIA, PA 19135
<b>EMERGENCY NO.:</b>	800.858.2828 (PolySat Inc)
<b>TELEPHONE NO.:</b>	215.332.7709 (Vexcon)
<b>CHEMTREC NO.:</b>	800.424.9300 (CCN# 23822)
<b>PREPARED:</b>	January 2006
<b>UPDATED:</b>	July 2013
<b>PREPARED BY:</b>	DARRY F. MANUEL , PRESIDENT





**SECTION II - HAZARD IDENTIFICATION**

**DOT SHIPPING NAME:**  
 UN ID NUMBER / SHIPPING NAME / HAZARD CLASS / PKG GROUP  
 IN CONTAINERS LESS THAN 119 GALS:  
**(NON-REGULATED)**  
 IN CONTAINERS GREATER THAN 119 GALS:  
**UN 1866, RESIN SOLUTION AROMATIC 100), COMBUSTIBLE,  
 FLAMMABLE, 3, PGIII**

**FOR LIMITED QUANTITY AIR & OCEAN SHIPMENT:**  
**UN 1866, RESIN SOLUTION, AROMATIC FLAMMABLE, 3, LIMITED QUANTIT**

**LTD QTY Limits:**  
 Passenger Air Limit 60L (15.8gal);  
 Cargo Air Limit 220L (58.1gal)

**HEALTH AND SAFETY: FLAMMABLE OR COMBUSTIBLE LIQUID:** USE ONLY WITH ADEQUATE VENTILATION: IF SWALLOWED, DO NOT INDUCE VOMITING: USE OF SOLVENT RESISTANT GLOVES, GOGGLES AND OTHER PROTECTIVE EQUIPMENT IS ADVISED WHEN HANDLING THIS PRODUCT: ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL: USE OF RESPIRATORS IS ADVISED WHEN USING PRODUCT IN CONFINED AREA.

**SECTION III HAZARDOUS INGREDIENTS**

MATERIAL OR COMPONENTS	CAS NO.	%	HAZARD DATA	UN#
BISPHENOL A / EPICHLOROHYDRIN EPOXY RESIN	25068-38-6	75-85%	ND	3082
SOLVENT NAPHTHA (Petroleum), LIGHT AROMATIC	64742-95-6	5-15%	TLV 50ppm OSHA HAZARD: COMBUSTIBLE LIQUID	1268
ETHYLENE GLYCOL	2807-30-	1-5%	OSHA HAZARD:	1993

MONOPROPYL ETHER	9		COMBUSTIBLE LIQUID TLV 100 ppm	
PERFORMANCE ADDITIVES	N/A	BAL	N/A	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	95-63-6	2.0% MAX	DOT LABEL FLAMMABLE LIQUID OSHA PEL NOT REGULATED ACGIH TLV 25 ppm (TWA) NIOSH REL 50 ppm (TWA)	1993
XYLENES	1330-20-7	2.5%	DOT LABEL FLAMMABLE LIQUID	1307
CUMENE	98-82-8	1.5%	OSHA PEL 50ppm (TWA) ACGIH TLV 50ppm (TWA)	1918

**SECTION IV FIRST AID MEASURES**

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

ROUTES OF EXPOSURE:	
<b>INHALATION:</b>	THIS PRODUCT MAY CREATE BREATHING DIFFICULTIES. DIZZINESS, LIGHTHEADEDNESS WHEN WORKING IN AREAS WITH HIGH VAPOR CONCENTRATION. VAPOR INHALATION CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA OR HEADACHE. AROMATIC 100 SOLVENT COMPONENT.
<b>SKIN CONTACT:</b>	THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT. AROMATIC 100 SOLVENT.
<b>SKIN ABSORPTION:</b>	THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT. AROMATIC 100 SOLVENT COMPONENTS.
<b>EYE CONTACT:</b>	THIS PRODUCT MAY BE AN EYE IRRITANT AROMATIC 100 SOLVENT COMPONENTS.
<b>INGESTION / INHALATION</b>	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.
<b>EFFECTS OF OVEREXPOSURE:</b>	<b>TLV 100 ppm AR-100 SOLVENT COMPONENTS.</b> ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS. LIQUIDS MODERATELY IRRITATING ON SKIN AND EYES.
<b>ACUTE OVEREXPOSURE:</b>	ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS: MODERATE IRRITATION BY LIQUID TO SKIN AND EYES. PROLONGED CONTACT ON THE SKIN WILL CLAY AND DEBAT THE SKIN POSSIBLY CAUSING DERMATITIS.
EMERGENCY AND FIRST AID PROCEDURES:	
<b>EYES:</b>	FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEEK IMMEDIATE MEDICAL ATTENTION. CONSULT A PHYSICIAN.
<b>SKIN:</b>	WASH WITH SOAP AND LARGE QUANTITIES OF WATER. SEEK MEDICAL ATTENTION IF SKIN IRRITATION DEVELOPS AND PERSISTS.

<b>INHALATION:</b>	MOVE TO LOCATION FREE FROM VAPORS. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING STOPS, BEGIN ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION. NOTE: THIS MATERIAL RELEASES ETHYL ALCOHOL UPON HYDROLYSIS. ETHYL ALCOHOL CAUSES OPTIC NEUROPATHY, METABOLIC ACIDOSIS AND RESPIRATORY DEPRESSION. SIGNS AND SYMPTOMS OF OVEREXPOSURE INCLUDE HEADACHE, BLURRED VISION, CONSTRICTED VISUAL FIELDS, SHORTNESS OF BREATH, DIZZINESS AND VERTIGO.
<b>INGESTION:</b>	DO NOT INDUCE VOMITING; SEEK IMMEDIATE MEDICAL ATTENTION.

NOT USE COMBUSTIBLE MATERIALS SUCH AS SAWDUST. RECOVER BY PUMPING (USE AN EXPLOSION PROOF OR HAND PUMP) OR WITH A SUITABLE ABSORBENT. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO EPA, FEDERAL, STATE, AND LOCAL DISPOSAL REGULATIONS.  
**WATER SPILL:** REMOVE FROM SURFACE BY SKIMMING OR WITH SUITABLE ABSORBENTS. IF ALLOWED BY LOCAL AUTHORITIES AND ENVIRONMENTAL AGENCIES, SINKING AND/OR SUITABLE DISPERSANTS MAY BE USED IN NON-CONFINED WATERS. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO EPA, FEDERAL, STATE, AND LOCAL DISPOSAL REGULATIONS.

**SECTION VII HANDLING AND STORAGE**

**SECTION V FIREFIGHTING MEASURES**

<b>EXTINGUISHING MEDIA:</b>	EXCLUDE AIR. FIRES INVOLVING THIS PRODUCT MAY BE CONTROLLED BY <b>REGULAR FOAM, CARBON DIOXIDE, DRY CHEMICALS OR WATER SPRAY.</b> WATER MAY BE USED TO REDUCE THE RATE OF BURNING AND FOR COOLING PURPOSES. AVOID SPRAYING WATER DIRECTLY INTO STORAGE CONTAINERS DUE TO DANGER OF BOIL OVER.
<b>GENERAL HAZARD:</b>	<b>COMBUSTIBLE LIQUID</b> - CAN FORM COMBUSTIBLE MIXTURES AT TEMPERATURES AT OR ABOVE THE FLASH POINT. <b>STATIC DISCHARGE</b> - MATERIAL CAN ACCUMULATE STATIC CHARGES WHICH CAN CAUSE AN INCENDIARY ELECTRICAL DISCHARGE. <b>"EMPTY" CONTAINERS</b> RETAIN PRODUCT RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF.
<b>ELECTRO-STATIC ACCUMULATION HAZARD:</b>	<u>USE PROPER GROUNDING</u>
<b>UNUSUAL FIRE AND EXPLOSION HAZARD:</b>	PRODUCT WILL BURN IF TEMPERATURE EXCEEDS BOILING POINT. THIS PRODUCT IS <b>EXTREMELY FLAMMABLE</b> AND EXPLOSIVE UNDER NORMAL CONDITIONS IN THE PRESENCE OF FLAME OR SPARK SOURCE. <b>FLAMMABLE VAPORS MAY ACCUMULATE IN THE CONTAINER HEADSPACE ON FORMATION OF HYDROLYSIS BY-PRODUCTS.</b> IF STORAGE CONTAINERS ARE EXPOSED TO EXCESSIVE HEAT, <b>OVER PRESSURIZATION</b> OF THE CONTAINERS CAN RESULT. <b>VAPOR IS HEAVIER THAN AIR</b> AND MAY TRAVEL ALONG THE GROUND OR THROUGH VENTILATION SYSTEM CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. KEEP WORK AREAS <b>FREE OF HOT METAL</b> SURFACES AND OTHER SOURCES OF IGNITION.
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	THE USE OF <b>SELF-CONTAINED BREATHING APPARATUS</b> WITH FULL FACE PIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE SHOULD BE PROVIDED FOR FIRE FIGHTERS IN BUILDINGS OR CONFINED AREAS WHERE THIS PRODUCT IS STORED. STORAGE CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY IN ORDER TO PREVENT PRESSURE BUILD UP. USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL. ISOLATE "FUEL" SUPPLY FROM FIRE. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.

**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 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**

<b>BOILING POINT: (760mmHg)</b> RANGE 161-171°C / 322-340 F (AR100)	<b>MELTING/FREEZING POINT:</b> -14 C / 7 F (AR100)
<b>VAPOR PRESSURE:</b> 1.97 mmHg@68°F/20°C (AR100)	<b>VAPOR DENSITY (AIR=1):</b> 4.2 (AR100)
<b>SOLUBILITY IN H2O % BY WT:</b> INSOLUBLE	<b>% VOLATILES BY VOL:1</b> 10-20%
<b>EVAPORATION RATE (BuAc=1):</b> 0.27 SLOW (AR100)	<b>REALITIVE DENSITY (H2O=1)</b> 1.09
<b>pH (AS IS):</b> N/A	<b>pH (1% SOLN):</b> N/A
<b>APPEARANCE AND ODOR:</b>	CLEAR TO AMBER TICK LIQUID WITH PAINT SOLVENT ODOR
<b>FLASH POINT: (TEST METHOD)</b>	>42°C / 108°F (TCC) (Aromatic 100)

**SECTION VI ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**  
**LAND SPILL:** ELIMINATE SOURCES OF IGNITION. 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. ALSO, IF THIS PRODUCT IS SUBJECT TO CERCLA REPORTING NOTIFY THE NATIONAL RESPONSE CENTER. PREVENT LIQUID FROM ENTERING SEWERS, WATERCOURSES, OR LOW AREAS. CONTAIN SPILLED LIQUID WITH SAND OR EARTH. DO

<b>AUTOIGNITION TEMP:</b>	479°C / 894°F (AR100)
<b>FLAMMABLE LIMITS IN AIR, % BY VOL:</b>	LOWER: 0.9% UPPER: 6.2% (AR100)

### SECTION X STABILITY AND REACTIVITY

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

### SECTION XI TOXICOLOGICAL INFORMATION

<b>ACUTE TOXICITY:</b>	
<b>ROUTES OF EXPOSURE</b>	<b>CONCLUSION/REMARKS</b>
<b>INHALATION</b>	
<b>TOXICITY: DATA AVAILABLE</b>	MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS. BASED ON TEST DATA FOR THE MATERIAL.
<b>IRRITATION: DATA AVAILABLE</b>	MAY BE IRRITATING TO THE RESPIRATORY TRACT. THE EFFECTS ARE REVERIBLE. BASED ON TEST DATAS FOR STRUCTURALLY SIMILAR MATERIALS.
<b>INGESTION</b>	
<b>TOXICITY: LD50&gt;3000MG/KG</b>	MINAMILLY TOXIC. BASED ON TEST DATA FOR STRUCTUALLY SIMILAR MATERIALS.
<b>SKIN</b>	
<b>TOXICITY:LD50&gt;3160 MG/KG</b>	MINAMILLY TOXIC. BASED ON TEST DATA FOR STRUCTUALLY SIMILAR MATERIALS.
<b>IRRITATION: DATA AVAILABLE</b>	MILDLY IRRITATING TO SKIN WITH PROLONGED EXPOSURE. BASED ON TEST DATA FOR THE MATERIAL.
<b>EYE</b>	
<b>IRRITATION: DATA AVAILABLE</b>	MAY CAUSE MILD, SHORT-LASTING DISCOMFORT TO EYES. BASED ON TEST DATA FOR THE MATERIAL.

### SECTION XII ECOLOGICAL INFORMATION

<b>ECOTOXICITY</b>	MATERILA- EXPECTED TO BE TOXIC TO AQUATIC ORGANIASMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
<b>MOBILITY</b>	MATERIAL-HIGHLY VOLATILE, WILL PARTITION RAPIDLY TO AIR. NOT EXPECTED TO PARTITION TO SEDIMENT AND WASTEWATER SOLIDS.
<b>PERSISTENCE AND DEGRADABILITY</b>	
<b>BIODEGRADTION:</b>	MATERIAL- EXPECTED TO BE BIOEGRADABLE.
<b>HYDROLYSIS:</b>	MATERIAL-TRANSFORMATION DUE TO HYDROLYSIS NOT EXPECTED TO BE SIGNIFICANT.
<b>PHOTOLYSIS:</b>	MATERIAL-TRANSFORMATION DUE TO PHOTOLYSIS NOT EXPECTED TO BE SIGNIFICANT.
<b>ATMOSPHERIC OXIDATION:</b>	MATERIAL- EXPECTED TO DEGRADE RAPIDLY IN AIR.

### SECTION XIII DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** IF POSSIBLE, PUMP TO CONTROLLED CONTAINMENT AREA. ABSORB ON CLAY OR SAND. DISPOSE OF IN COMPLIANCE WITH EPA, FEDERAL, STATE, AND LOCAL REGULATIONS. TREATMENT, 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 LANDFILL SITES ARE AVAILABLE.

### SECTION XIV TRANSPORTATION INFORMATION

Governing Body	Mode	UN Number	Proper Shipping Name	Hazard Class	Packing Group
DOT	GROUND (NON BULK)	NON-REGULATE D	NON-REGULATE D	NON-REGULATED	NON REGULATED
DOT	GROUND (BULK)	1866	RESIN SOLUTION (AROMATIC 100 SOLUTION)	3,COMBUSTIBL E	III
IATA	AIR	1866	RESIN SOUCTION (AROMATIC 100 SOLUTION)	3, FLAMMABLE	III
IMDG	OCEAN	1866	RESIN SOLUTION (AROMATIC 100 SOLUTION)	3, FLAMMABLE	III
<b>MARINE POLLUTANT:</b>	THIS PRODUCT DOES NOT CONTAIN A MATER ON THE MARINE POLLUTANTS TABLE (HMT 172.101 APPENDIX B)				

### SECTION XV REGULATORY INFORMATION

<b>TSCA:</b> THE SOLVENT PORTION OF THIS PRODUCT IS LISTED ON THE TSCA INVENTORY AS A UVCB (UNKNOWN, VARIABLE COMPOSITION OR BIOLOGICAL) CHEMICAL AT CAS REGISTRY NUMBER 64742-95-6 (aromatic 100).
<b>CERCLA:</b> IF THE REPORTABLE QUANTITY OF THIS PRODUCT IS ACCIDENTALLY SPILLED, THE INCIDENT IS SUBJECT TO THE PROVISIONS OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA) AND MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER BY CALLING 1-800-424-8802 or 202-426-2675. <b>NO REPORTABLE SPILL QUANTITY (RQ) HAS BEEN ESTABLISHED FOR THIS PRODUCT.</b>
<b>SARA TITLE III:</b> UNDER THE PROVISIONS OF TITLE III, SECTIONS 311/312 OF THE SUPERFUND AMENDMENTS AND RE-AUTHORIZATION ACT, THIS PRODUCT IS CLASSIFIED INTO THE FOLLOWING HAZARD CATEGORIES: DELAYED HEALTH, FIRE
<b>ADDITIONAL REGULATORY CONCERNS:</b> (FEDERAL, FDA, USDA, CPSC, STATE, OTHER)
FEDERAL / FDA / USDA:
CERCLA / RQ: <b>NONE ESTABLISHED.</b>
<b>TSCA:</b> IS THIS PRODUCT, OR ALL ITS INGREDIENTS, BEING CERTIFIED FOR INCLUSION ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES? <b>YES</b>

### SECTION XVI OTHER INFORMATION

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