

HAZARD RATING

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

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0

MATERIAL SAFETY DATA SHEET
VEXCON NO. CP109 PART B CLEAR



VEXCON
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Performance Construction Chemicals

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GENERAL INFORMATION

PRODUCT IDENTIFICATION: VEXCON POWER® COAT EPOXY DECORATIVE PART B CLEAR

VOC CONTENT: 448 GR./LITER OR 3.74 #/GAL

CATEGORY: CONCRETE PROTECTIVE COATING

COMMON NAME: EPOXY PAINT

DOT SHIPPING NAME: IN CONTAINERS LESS THAN 119 GALS. VEXCON POWERCOAT EPOXY DECORATIVE PART B CLEAR: (NON-REGULATED) IN CONTAINERS GREATER THAN 119 GALS.: COMBUSTIBLE LIQUID, N.O.S. (AROMATIC SOLVENT), 3, NA 1993, III

FOR LIMITED QUANTITY AIR & OCEAN SHIPMENT: RQ (ACETONE) RESIN SOLUTION, FLAMMABLE, 3, UN1866, III

HEALTH AND SAFETY: COMBUSTIBLE LIQUID, IF SWALLOWED, DO NOT INDUCE VOMITING: USE ONLY WITH ADEQUATE VENTILATION: USE OF SOLVENT RESISTANT GLOVES, GOGGLES AND OTHER PROTECTIVE EQUIPMENT IS ADVISED WHEN HANDLING THIS PRODUCT.

SECTION I

MANUFACTURER: VEXCON CHEMICALS
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PREPARED: APRIL 1999
UPDATED: JANUARY 2006
PREPARED BY: DARRYL F. MANUEL

SECTION II HAZARDOUS INGREDIENTS

<u>MATERIAL OR COMPONENT</u>	<u>CAS NO.</u>	<u>%</u>	<u>HAZARD LIMITS</u>	<u>UN#</u>
BISPHENOL A/EPICHLOROHYDRIN EPOXY RESIN	25068-38-6	79.5%	ND	
ETHYLENE GLYCOL MONOPROPYLETHYER	002807-30-9	2.5%	OSHA HAZARD COMBUSTIBLE TLV 25 ppm	
CYCLOHEXONE		4.0%	OSHA PEL: ACGIH TLV/TWA 100 ppm	
AR 100 SOLVENT WHICH CONTAINS HYDROCARBONS	64742-95-6	14%	OSHA PEL: ACGIN TLV/TWA 50 ppm	1255
1,2,4 TRIMETHLBENZENE			OSHA PEL: ACGIH TLV/TWA 25 ppm	
XYLENE			OSHA PEL: ACGIH TLV/TWA 100 ppm	
CUMENE			OSHA PEL: ACGIN TLV/TWA 50 ppm	
THE SOLVENT PORTION CONTAINS THE FOLLOWING SECTION 313 REPORTABLE INGREDIENTS:				
COMPONENT	CAS NO		MAXIMUM%	
TRIMETHLBENZENE	95-63-6		20%	
CUMENE	98-82-8		1.0%	
XYLENE	1330-20-7		1.75%	

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT, 760 mm Hg: 313-355° F **MELTING POINT:** N/A

SPECIFIC GRAVITY (H20=1) .1.1 (60/60°F)

VAPOR PRESSURE: 2.70 mm/Hg @20F

VAPOR DENSITY (AIR = 1): 4.3

SOLUBILITY IN H2O % BY WT: INSOLUBLE

% VOLATILES BY VOL: 52% **EVAPORATION RATE (BUAC=1):** .1

PH (AS IS) N/A

PH (1% SOLN.): N/A

APPEARANCE AND ODOR: WATER WHITE LIQUID W/AROMATIC ODOR

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD): 111° F TCC **AUTOIGNITION TEMP:** 869° F

FLAMMABLE LIMITS IN AIR, % BY VOL: **LOWER: 1.0 UPPER: 7.0**

UNUSUAL FIRE AND EXPLOSION HAZARD: NO UNUSUAL HAZARDS - KEEP WORK AREAS FREE OF HOT METAL

ELECTROSTATIC ACCUMULATION HAZARD - USE PROPER GROUNDING

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 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.

FIRE FIGHTING: USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL. ISOLATE "FUEL" SUPPLY FROM FIRE. USE FOAM, DRY CHEMICAL, OR WATER SPRAY TO EXTINGUISH FIRE. AVOID SPRAYING WATER DIRECTLY INTO STORAGE CONTAINERS DUE TO DANGER OF BOIL OVER. THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS. SEE ALSO SECTION IX.

SECTION V REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: 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 YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE. CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION VI HEALTH HAZARD INFORMATION

HEALTH HAZARD DATA HAZARD CLASSIFICATION BASIS FOR CLASSIFICATION SOURCE

ROUTES OR EXPOSURE/INHALATION: THIS PRODUCT MAY CREATE BREATHING DIFFICULTIES. DIZZINESS, LIGHTEADEDNESS WHEN WORKING IN AREAS WITH HIGH VAPOR CONCENTRATION. AR100 COMPONENT

SKIN CONTACT: THIS PRODUCT MAY RESULT IN SKIN IRRITATION UPON PROLONGED/REPEATED CONTACT AR 100 COMPONENT

SKIN ABSORPTION: SEE ABOVE

EYE CONTACT: THIS PRODUCT MAY BE AN EYE IRRITANT. AR 100 COMPONENT

INGESTION: 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

ACUTE OVEREXPOSURE: ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS: MODERATE IRRITATION BY LIQUID TO SKIN AND EYES.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: FLUSH WITH LARGE QUANTITIES 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 STOPS, BEGIN ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

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

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 PRODUCTS 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 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 DISPERSENTS MAY BE USED IN ON-CONFINED WATERS. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO LOCAL DISPOSAL REGULATIONS.

SECTION VIII CONTROL MEASURES

VENTILATION REQUIREMENTS: LOCAL MECHANICAL VENTILATION MAY BE SUFFICIENT TO KEEP PRODUCT VAPOR CONCENTRATIONS WITHIN SPECIFIED TIME-WEIGHTED TLV RANGES. IF GENERAL 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 A OSHA APPROVED CARTRIDGE RESPIRATOR OR GAS MASK OR AIRPACK.

EYE: CHEMICAL GOGGLES AND/OR FACE SHIELDS 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.

OTHER CLOTHING AND EQUIPMENT: IMPERMEABLE APRONS AND HELMETS (HEAD COVER) ARE ADVISED WHEN WORKING WITH THIS PRODUCT. THE AVAILABILITY OF EYE WASHES AND SAFFETY SHOWERS IN WORK AREAS IS RECOMMENDED

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS:

FIRE FIGHTING: WATER MAY BE UNSUITABLE AS AN EXTINGUISHING MEDIA BUT HELPFUL IN KEEPING ADJACENT CONTAINERS COOL. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES. PERSONNEL SHOULD AVOID INHALATION OF VAPORS. PERSONAL CONTACT WITH THE PRODUCT SHOULD BE AVOIDED. SHOULD CONTACT BE MADE REMOVE SATURATED CLOTHING AND FLUSH AFFECTED AREAS WITH WATER.

OTHER HANDLING AND STORAGE REQUIREMENTS: KEEP PRODUCT CONTAINERS COOL, DRY AND AWAY FROM SOURCES OF IGNITION. USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION EQUIVALENT TO FRESH AIR.

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 (NEPA 704) IDENTIFICATION OF FIRE HAZARDS OF MATERIALS

	NPCA-HMIS	NFPA 704	KEY
HEALTH	2	2	4=SEVERE
FLAMMABILITY	2	2	3=SERIOUS
REACTIVITY	0	0	2=MODERATE 1=SLIGHT 0=MINIMAL

SECTION X REGULATORY INFORMATION

TSCA: THE SOLVENT PORTION OF THIS PRODUCT IS LISTED ON THE TSCA INVENTORY AS A UVCB (UNKNOWN, VARIABLE COMPOSITION OR BIOLOGICAL) CHEMICAL AT CAS REGISTRY NUMBER 64742-95-6.

CERCLA: IF THE REPORTABLE QUANTITY OF THIS PRODUCT IS ACCIDENTALLY SPILLED, THE INCIDENT IS SUBJECT TO THE PROVISIONS OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA) AND MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER BY CALLING 800-424-8802. THIS MATERIAL IS COVERED BY CERCLA'S PETROLEUM EXCLUSION, THEREFORE, RELEASES TO AIR, LAND AND WATER ARE NOT REPORTABLE UNDER EPA-CERCLA (SUPERFUND).

THIS PRODUCT CONTAINS: XYLENE, CUMENE, and TRIMETHLBENZENE
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.RCRA (40 CFR 261.21) IF THIS PRODUCT BECOMES A WATER MATERIAL, IT WOULD BE AN IGNITABLE HAZARDOUS WASTE. HAZARDOUS WASTE NUMBER D001. REFER TO LATEST EPA OR STATE REGULATIONS REGARDING PROPER DISPOSAL.

DELAYED HEALTH, FIRE.

FEDERAL:

FDA:

USDA:

TSCA: IS THIS PRODUCT, OR ALL ITS INGREDIENTS, BEING CERTIFIED FOR INCLUSION ON THE TOXIC SUBSTANCESCONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES? YES

PREPARED BY:

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THE INFORMATION PROVIDED IN THIS MATERIAL

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