

HAZARD RATING

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

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

MATERIAL SAFETY DATA SHEET
VEXCON NO. CP099-CLEAR



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GENERAL INFORMATION

PRODUCT IDENTIFICATION: POWERCOAT ONE CLEAR

VOC CONTENT: 78 GRAMS/LITER OR 0.65#/GAL.

CATEGORY: CONCRETE PROTECTIVE COATING

COMMON NAME: STYRENE ACRYLATE EPOXY EMULSION

DOT SHIPPING NAME: IN CONTAINER LESS THAN 119 GALS AND
 GREATER THAN 119 GALS: POWERCOAT ONE
 (NON-REGULATED)

HEALTH AND SAFETY: 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 5%. 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 I

MANUFACTURER: VEXCON CHEMICALS
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PREPARED: DECEMBER 1999
UPDATED: JANUARY 2006
PREPARED BY: DARRYL F. MANUEL/PRESIDENT

SECTION II HAZARDOUS INGREDIENTS

<u>MATERIAL OR COMPONENTS</u>	<u>CAS. NO.</u>	<u>%</u>	<u>HAZARD DATA</u>	<u>UN#</u>
STYRENE ACRYLATE EPOXY EMULSION	TRADE SECRET	35%	ND	
AR 100		11%	TLV 100 PPM	1255
WATER			NA	

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212° F **MELTING POINT:** N/A
SPECIFIC GRAVITY (H2O=1): 1.002
VAPOR PRESSURE: 2.00 mm Hg
VAPOR DENSITY (AIR=1): GREATER THAN AIR
SOLUBILITY IN H2O BY WT: 100%
EVAPORATION RATE (ETHER =1): < 9.5 **% VOLATILES BY VOL:** 66%

PH (AS IS): 7-8 PH (1% SOLN): ND
APPEARANCE AND ODOR: MILKY WHITE EMULSION WITH
 AROMATIC ODOR (MAY CONTAIN FUGITIVE DYE)

SECTION IV FIRE AND EXPLOSION HAZARD

FLASH POINT: (TEST METHOD) >200° F TCC
AUTOIGNITION TEMP: N.D.
FLAMMABLE LIMITS IN AIR, % BY VOL:
LOWER: N.D. **UPPER:** N.D.
EXTINGUISHING MEDIA: WATER, FOAM
SPECIAL FIRE FIGHTING PROCEDURES: NONE
UNUSUAL FIRE AND EXPLOSION HAZARD: PRODUCT
 WILL BURN IF TEMPERATURE EXCEEDS BOILING POINT WATERMIX,
 NO UNUSUAL HAZARDS.

SECTION V REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: THIS PRODUCT IS STABLE

INCOMPATIBILITY: THIS PRODUCT IS INCOMPATIBLE WITH STRONG ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION IN THE PRESENCE OF AIR YIELDS CARBON MONOXIDE AND/OR CARBON DIOXIDE.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: N/A

SECTION VI HEALTH HAZARD INFORMATION

HEALTH HAZARD DATA HAZARD CLASSIFICATION BASIS FOR CLASSIFICATION SOURCE ROUTES OF EXPOSURE:

INHALATION: VAPOR INHALATION CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA OR HEADACHE.

SKIN CONTACT: PROLONGED OR REPEATED CONTACT CAN RESULT IN MODERATE IRRITATION

SKIN ABSORPTION: PROLONGED OR REPEATED CONTACT CAN RESULT IN MODERATE IRRITATION

EYE CONTACT: THIS PRODUCT CAN CAUSE SEVERE IRRITATION.

INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING.

EFFECTS OF OVEREXPOSURE: ANESTHESIA, HEADACHE, NAUSEA, DIZZINESS. LIQUIDS MODERATELY IRRITATING ON SKIN AND EYES.

ACUTE OVEREXPOSURE: 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. CONSULT WITH A PHYSICIAN.

SKIN: IMMEDIATELY WASH SKIN WITH SOAP AND PLENTY OF WATER. IF IRRITATION PERSISTS, CONSULT A PHYSICIAN.

INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK PROMPT MEDICAL ATTENTION.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

WASTE DISPOSAL METHOD: TREATMENT TRANSPORTATION AND DISPOSAL MUST BE IN COMPLIANCE WITH EPA OR STATE REGULATIONS UNDER THE RESOURCES CONSERVATION AND RECOVERY ACT. TYPICALLY CONTROLLED BURNING, INCINERATION OR APPROVED LANDFILL SITES ARE AVAILABLE.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES, INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS). PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN UP IS COMPLETE. STOP SPILL AT SOURCE. DIKE SPILL AREA TO PREVENT SPREADING. PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID CAN BE TAKEN UP ON SAND, EARTH, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND SHOVELLED INTO CONTAINERS.

SECTION VIII CONTROL MEASURES

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): CHEMICAL CARTRIDGE RESPIRATOR: HALF MASK ORGANIC VAPOR CARTRIDGE: FULL FACE ORGANIC VAPOR CARTRIDGE IF EYE PROTECTION IS NEEDED.

EYE: CHEMICAL GOGGLES AND/OR FACE SHIELD ARE RECOMMENDED TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY.

GLOVES: IMPERVIOUS GLOVES, (CHEMICAL RESISTANT) SUCH AS NITROGEN, LATEX OR PVA.

OTHER CLOTHING AND EQUIPMENT: TO PREVENT BODY CONTACT, IMPERVIOUS CLOTHING AND BOOTS ARE RECOMMENDED WHEN WORKING WITH THIS PRODUCT. THE AVAILABILITY OF EYE WASHES AND SAFETY SHOWERS IN WORK AREAS IS RECOMMENDED.

SECTION IX SPECIAL PRECAUTIONS

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/DRIED BEFORE RE-USE. 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 IN WELL VENTILATED AREA. KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE WITH INCOMPATIBLE MATERIALS. STORE IN ACCORDANCE WITH FEDERAL REGULATIONS. DO NOT STORE OR CONSUME FOOD, DRINK, OR TOBACCO IN AREA WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL. KEEP AWAY FROM HIGH TEMPERATURES, OPEN FLAMES, SPARKS, ETC. USE WITH EXPLOSION PROOF EQUIPMENT IS HIGHLY ADVISABLE.

HMIS HAZARD RATINGS

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

0=MINIMAL

ADDITIONAL REGULATORY CONCERNS: (FEDERAL, FDA, USDA, CPSC, STATE, OTHER).

FEDERAL:

FDA:

USDA:

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

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