

HAZARD RATING

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

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

MATERIAL SAFETY DATA SHEET
VEXCON NO. RP101



Performance Construction Chemicals

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GENERAL INFORMATION

PRODUCT IDENTIFICATION: CERTI-VEX ENVIO® BOND

VOC CONTENT: 0 GR./LITER CATEGORY: NOT REQUIRED

COMMON NAME: AQUEOUS ACRYLATE EMULSION

DOT SHIPPING NAME:

IN CONTAINERS LESS THAN 119 GALS. AND GREATER THAN 119 GALS.:
 CERTI-VEX ENVIOMBOND (NON-REGULATED)

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

SECTION I

MANUFACTURER: VEXCON CHEMICALS

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CHEMTREC: 1-800-424-9300

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PREPARED: MAY 1996

UPDATED: SEPTEMBER 13, 1999

PREPARED BY: DARRYL F. MANUEL/PRESIDENT

SECTION II HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENTS	CAS. NO.	%	HAZARD DATA
MODIFIED ACRYLATE POLYMER EMULSION	25085-34-1	30-33%	ORAL LD50 5.0 gr/Kg
WATER		70-67%	NA

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT, 760 mm Hg: 215° F **MELTING POINT:** 32° F WATER

VAPOR PRESSURE: 17mm Hg 68°F **SPECIFIC GRAVITY (H20=1)** 1.03

VAPOR DENSITY (AIR=1): LESS 1 WATER

SOLUBILITY IN H20 BY WT: 100%

% VOLATILES BY VOL: 84-86 WATER

EVAPORATION RATE (BUOH=1): LESS 1 WATERPH (AS IS): 8-9

PH (1% SOLN): 7-8

APPEARANCE AND ODOR: MILKY WHITE EMULSION

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: (TEST METHOD) NA

AUTOIGNITION TEMP: N.D.

FLAMMABLE LIMITS IN AIR, % BY VOL:

LOWER: N.D. **UPPER:** N.D.

BOILING POINT: 215° F

EXTINGUISHING MEDIA: FOAM, WATER FOR OR SPRAY

SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE AND EXPLOSION HAZARD: PRODUCT
 WILL BURN IF TEMPERATURE EXCEEDS BOILING POINT
 WATER MIX. NO UNUSUAL HAZARDS. POLYMER FILM
 CAN BURN.

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 LAND FILL SITES ARE AVAILABLE.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: 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 SHOVELED 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 NEOPRENE, 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 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 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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