

**HAZARD RATING**

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

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>REACTIVITY</b>	<b>0</b>

**MATERIAL SAFETY DATA SHEET**  
**VEXCON NO. VW103-S**



Performance Construction Chemicals

7240 STATE RD • PHILADELPHIA, PA 19135  
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**GENERAL INFORMATION**

**PRODUCT IDENTIFICATION:** CERTI-VEX ENVIO® SMOOTH EMULSION

**VOC CONTENT:** 337 GR/LITER OR 2.81# /GAL

**CATEGORY:** CONCRETE PROTECTIVE COATING

**COMMON NAME:** TEXTURED HIGH BUILD PAINT

**DOT SHIPPING NAME:** IN CONTAINERS LESS THAN 119 GALS AND CONTAINERS GREATER THAN 119 GALS: CERTI-VEX ENVIOSMOOTH EMULSION (NON-REGULATED)

**HEALTH AND SAFETY:** THIS PRODUCT IS AN EMULSION WHICH CONTAINS SOME SOLVENT: USE ONLY WITH ADEQUATE VENTILATION; IF SWALLOWED, DO NOT INDUCE VOMITING; USE OF SOLVENT RESISTANT GLOVES, GOGGLES AND OTHER PROTECTIVE CLOTHING IS ADVISED WHEN HANDLING THIS PRODUCT.

**SECTION I**

**MANUFACTURER:** VEXCON CHEMICALS  
**EMERGENCY NO:** 1-800-858-2828  
**CHEMTREC NO:** 1-880-424-9300  
**TELEPHONE NO:** 1-215-332-7709  
**ADDRESS:** 7240 STATE RD., PHILA., PA 19135  
**PREPARED:** DECEMBER 1996  
**UPDATED:** SEPTEMBER 13, 1999  
**PREPARED BY:** DARRYL F. MANAUEL / PRESIDENT

**SECTION II HAZARDOUS INGREDIENTS**

<u>MATERIAL OR COMPONENTS</u>	<u>CAS#</u>	<u>%</u>	<u>HAZARD DATA</u>	<u>UN#</u>
PIGMENTS:				
1. TITANIUM DIOXIDE	13463-67-7	> 1%	RESPIRABLE DUST 5mg/M3 TLV 5 mg/M3 TOTAL DUST 15 mg/M3 TLV 10 mg/M3	
2. CALCIUM CARBONATE	1317-65-3	> 1%	SAME AS ABOVE	
VINYL TOLUENE STYRENE	25085-34-1	17%	NA	
ACRYLATE POLYMER				
STODDARD SOLVENT	8052-41-3	6 %	TLV 100 PPM	1255
BALANCE INERT FILLERS				
H <sub>2</sub> O		30%		

THIS PRODUCT DOES NOT CONTAIN ANY SECTION 313 REPORTABLE INGREDIENTS

**SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS**

**BOILING POINT:** >200° F      **MELTING POINT:** N/A  
**SPECIFIC GRAVITY** 1.48      **VAPOR PRESSURE:** 200 mm Hg 68° F  
**VAPOR DENSITY (AIR=1):** APPROX. 5  
**SOLUBILITY IN H2O % BY WT:** SOLUBLE  
**PH (AS IS)** 8.5-9.5      **PH (1% SOLN.)** N/A  
**% VOLATILES BY VOL:** 25 %  
**EVAPORATION RATE (BUAC=1):** 0.1  
**APPEARANCE AND ODOR:** VERY THICK PAINT, VARIOUS COLORS, SLIGHTLY SWEET EMULSION ODOR

**SECTION IV FIRE AND EXPLOSION DATA**

**FLASH POINT: (TEST METHOD):** >200 F° TCC  
**AUTOIGNITION TEMPERATURE:** 473° F  
**FLAMMABLE LIMITS IN AIR: % BY VOL:** LOWER: 0.7      UPPER: 6.0  
**EXTINGUISHING MEDIA:** EXCLUDE AIR-USE FOAM CO2, STEAM, WATER, FOG, DRY CHEMICALS.  
**SPECIAL FIRE FIGHTING PROCEDURES:** THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS. SEE ALSO SECTION IX.  
**UNUSUAL FIRE AND EXPLOSION HAZARD:** NO UNUSUAL HAZARDS – KEEP WORK AREAS FREE OF HOT METAL AND OTHER SOURCES OF IGNITION.  
**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.  
**ELECTROSTATIC ACCUMULATION HAZARD: USE PROPER GROUNDING**

## **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 THE PRESENCE OF AIR MAY YIELD CARBON MONOXIDE AND UNIDENTIFIED ORGANICS.  
**CONDITIONS CONTRIBUTING TO HAZARD POLYMERIZATION:** N/A WILL NOT OCCUR.

## **SECTION VI HEALTH HAZARD INFORMATION**

### **HEALTH HAZARD DATA HAZARD CLASSIFICATION BASIS FOR CLASSIFICATION**

**ROUTES OF EXPOSURE:** THIS PRODUCT MAY CREATE BREATHING DIFFICULTIES, DIZZINESS, LIGHT HEADEDNESS WHEN WORKING IN AREAS WITH HIGH VAPOR CONCENTRATION. MINERAL SPIRITS COMPONENTS.

**SKIN CONTACT:** THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.

**SKIN ABSORPTION** SEE ABOVE

**EYE CONTACT:** THIS PRODUCT MAY BE AN EYE IRRITANT. MINERAL SPIRITS COMPONENT.

### **EFFECTS OF OVEREXPOSURE TLV - 100 PPM**

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

**INHALATION:** MOVE TO LOCATION FREE FROM VAPORS. IF BREATHING STOPS, BEGIN ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION.

**INGESTION:** DO NOT INDUCE VOMITING, SEEK PROMPT MEDICAL ATTENTION.

## **SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE**

### **AQUATIC TOXICITY (E.G. 96 HR. TLM):**

**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:** IF POSSIBLE PUMP TO CONTROLLED CONTAINMENT AREA. 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 SHOVEL 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 IF EYE PROTECTION IS NEEDED.

**EYES:** 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. IMPERVIOUS APRONS ARE RECOMMENDED WHEN WORKING WITH THIS PRODUCT. THE AVAILABILITY OF EYE WASHES AND SAFETY SHOWERS IN WORK AREAS ARE 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 AND 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.

### **HMS 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 IT'S INGREDIENTS, BEING CERTIFIED FOR INCLUSION ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES? YES

### **PREPARED BY:**

**TITLE:**

**COMPANY:**

**ADDRESS:**

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