

**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. CC111**



Performance Construction Chemicals

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**GENERAL INFORMATION**

**PRODUCT IDENTIFICATION:** CERTI-VEX ENVIO® CURE ASPHALT

**VOC CONTENT:** 240GR./LITER OR 2.00 #/GAL. **CATEGORY:** CURE

**COMMON NAME:** HYDROCARBON POLYMER EMULSION

**DOT SHIPPING NAME:** IN CONTAINER LESS THAN 119 GALS AND GREATER THAN 119 GALS: CERTI-VEX ENVIOCURE VERTICAL (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

**EMERGENCY NO:** 1-800-858-2828

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**ADDRESS:** 7240 STATE RD. ,PHILA., PA 19135

**PREPARED:** OCTOBER 1996

**UPDATED:** SEPTEMBER 13, 1999

**PREPARED BY:** DARRYL F. MANUEL/PRESIDENT

**SECTION II HAZARDOUS INGREDIENTS**

MATERIAL OR COMPONENTS	CAS. NO.	%	HAZARD DATA	UN#
HYDROCARBON RESIN	68527-25-3	22-28%	10 mg/M3 DUST	
STODDARD SOLVENT	8052-41-3	7%	TLV 100 PPM OSHA	1255
EMULSIFIERS		1-2%	ND	
H2O		62-67%	N/A	
ASPHALT	8052-42-4			

**SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS**

**BOILING POINT:** 760 mm Hg: AZEOTROPE MS+WATER 200°F

**MELTING POINT:** N/A

**SPECIFIC GRAVITY (H2O=1):** 1.00

**VAPOR PRESSURE:** 200 mm Hg

**VAPOR DENSITY (AIR=1):** HEAVIER THAN

**SOLUBILITY IN H2O % BY WT:** SOLUBLE

**EVAPORATION RATE (BUOH=1):** SLOWER THAN ETHER

(ETHER=1): 9.5 LESS THAN ETHER

PH (AS IS): NA

PH (1% SOLN): 7.0-7.5

**APPEARANCE AND ODOR:**

CREAM COLORED LIQUID EMULSION

**SECTION IV FIRE AND FIRE ANDEXPLOSION DATA**

**FLASH POINT: (TEST METHOD):** >200° F TCC

**AUTOIGNITION TEMPERATURE:** ND

**FLAMMABLE LIMITS IN AIR: % BY VOL:**

**LOWER:** ND **UPPER:** ND

**EXTINGUISHING MEDIA:** FOAM, WATER, FOG OR SPRAY.

**SPECIAL FIRE FIGHTING PROCEDURES:**

THE USE OF SELF CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS. 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.

**UNUSUAL FIRE AND EXPLOSION HAZARD:**

PRODUCT WILL BURN IF TEMPERATURE EXCEED BOILING POINT. POLYMER FILMS ARE CAPABLE OF BURNING, GIVING OFF OXIDES OF CARBON

**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 MAY YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE.

**CONDITIONS CONTRIBUTING TO HAZARD POLYMERIZATION:** N/A WILL NOT OCCUR.

## **SECTION IV HEALTH HAZARD INFORMATION**

### **ROUTES OF EXPOSURE:**

**INHALATION:** INHALATION OF HIGH VAPOR CONCENTRATIONS MAY HAVE RESULTS RANGING FROM DIZZINESS AND HEADACHES TO UNCONSCIOUSNESS.

**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.

**INGESTION/INHALATION:** TLV 50-100 PPM ESTIMATED FROM SIMILAR PRODUCTS NOTE: THE THRESHOLD LIMIT VALUE (TLV) OF 100 ppm VAPOR IN AIR HAS BEEN ESTABLISHED BY THE AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIALHYGIENISTS FOR STODDARD SOLVENT AND IS THUS APPLICABLE TO MINERAL SPIRITS IN A RECENT STUDY OF EXXON CORP.MEDICAL RESEARCH WITH LABORATORY ANIMALS (RATS) EXPOSED TO VAPORS IN AIR OF A SOLVENT SIMILAR TO MINERALSPIRITS KIDNEY DAMAGE WAS NOTED IN MALE RATS AT THIS CONCENTRATION. THE RECENT STUDYSUGGESTS THAT THISOCCUPATIONAL EXPOSURE LIMIT MAY HAVE TO BE LOWERED FOR THIS PRODUCT. WORK IS CONTINUING TO VALIDATE THESE FINDINGS AND DETERMINE WHETHER A REVISED OCCUPATIONAL EXPOSURE LIMIT SHOULD BE RECOMMENDED FOR MINERAL SPIRITS. ACUTE OVEREXPOSURE: MODERATELY IRRITATING ON SKIN AND EYES. 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 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.

**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:** TREATMENT, STORAGE, 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 IF 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 OTHERABSORBENT 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.

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

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