

**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. CC117**

**GENERAL INFORMATION**

**PRODUCT IDENTIFICATION:** CERTI-VEX ENVIO® CURE WHITE 1315, VOC  
**VOC CONTENT:** 278 GRAMS/LITER OR 2.32 #/GAL.  
**CATEGORY:** CURE AND SEAL  
**COMMON NAME:** ALPHA METHYL STYRENE EMULSION  
**DOT SHIPPING NAME:** IN CONTAINERS LESS THAN 119 GALS AND CONTAINERS GREATER THAN 119 GALS: CERTI-VEX ENVIO CURE WHITE 1315, VOC (NON-REGULATED)  
**HEALTH AND SAFETY:** COMBUSTIBLE 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  
**EMERGENCY NO:** 1-800-858-2828  
**CHEMTREC NO:** 1-800-424-9300  
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**PREPARED:** AUGUST 1998  
**UPDATED:** FEBRUARY 2007  
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**SECTION II HAZARDOUS INGREDIENTS**

<b>MATERIAL OR COMPONENTS</b>	<b>CAS. NO.</b>	<b>%</b>	<b>HAZARD DATA</b>	<b>UN#</b>
PIGMENTS: 1. TITANIUM DIOXIDE	13463-67-7	3%	RESPIRABLE DUST 5mg/M3 TLV TOTAL DUST 10 mg/M3 TLV OSHA PEL: ACHIG 10 mg/M3 FOR DUST2. CALCIUM SAME AS ABOVE (total dust)	
CARBONATE & FILLERS AR100 SOLVENT	1317-65-3 64742-95-6	4%	TLV 50 ppm	
EMULSIFIERS/ADDITIVES		3%	ND	
WATER		67%	NA	
ALPHA METHYL STYRENE POLYMER	9011-11-4	20%	ND	

**SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS**

**BOILING POINT:** 212 F      **MELTING POINT:** N/A  
**VAPOR PRESSURE:** 2.00 mm Hg      **SPECIFIC GRAVITY (H2O=1):**  
 1.09  
**VAPOR DENSITY (AIR=1):** GREATER THAN AIR  
**SOLUBILITY IN H2O BY WT:** 100%      **% VOLATILES BY VOL:** 78%  
**EVAPORATION RATE (ETHER 1):** LESS THAN  
**APPEARANCE AND ODOR:** WHITE PAINT LIKE  
**PH (AS IS):** 8-9      **pH (1% SOLN):** ND

**SECTION IV FIRE AND EXPLOSION DATA**

**FLASH POINT:** (TEST METHOD) >200 F TCC  
**AUTOIGNITION TEMP:** N.D.      **LOWER:** N.D.      **UPPER:** N.D.  
**FLAMMABLE LIMITS IN AIR, % BY VOL:**  
**EXTINGUISHING MEDIA:** WATER, FOAM  
**SPECIAL FIRE FIGHTING PROCEDURES:** NONE  
**UNUSUAL FIRE AND EXPLOSION HAZARD:** PRODUCT WILL BURN IF TEMPERATURE EXCEEDS BOILING POINT OF WATER MIX UNDER SOME CONDITIONS. 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 ALL INFORMATION IS FOR ODORLESS MINERAL SPIRITS**  
**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**

**SPIILLED:** ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES, INCLUDING PILOTLIGHTS, 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 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: FULLFACE 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, REMOVED 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 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: THIS PRODUCT, OR ALL ITS INGREDIENTS, BEING CERTIFIED INCLUSION ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES? YES

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