

HAZARD RATING

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

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

MATERIAL SAFETY DATA SHEET
VEXCON NO. CS111



Performance Construction Chemicals

7240 STATE RD • PHILADELPHIA, PA. 19135
 VOICE: 215.332.7709 • FAX: 215.332.9997
 TOLL FREE: 888-VEXCON-1
 WEBSITE ADDRESS: www.vexcon.com

GENERAL INFORMATION

PRODUCT IDENTIFICATION: VEXCON STARSEAL®VERTICAL CONCRETE STAIN

VOC CONTENT: 250GRAMS/LITER OR 2.09 #/GAL. **CATEGORY:** CURE

COMMON NAME: VINYLTOLUENE ACRYLATE EMULSION STAIN

DOT SHIPPING NAME:

IN CONTAINERS LESS THAN 119 GALS AND CONTAINERS GREATER THAN 119 GALS.: VEXCON STARSEAL® EMV CONCRETE STAIN (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

TELEPHONE NO: 1-215-332-7709

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

PREPARED: NOVEMBER 1996

UPDATED: OCTOBER 2000

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>
PIGMENTS:				
1. TITANIUM DIOXIDE	13463-67-7	3%	RESPIRABLE DUST 5mg/M3 TLV TOTAL DUST 10 mg/M3 TLV OSHA PEL: ACHIG 10mg/M3 FOR DUST (total dust)	
2. CALCIUM CARBONATE AND FILLERS	1317-65-3	4%	SAME AS ABOVE	
ODORLESS MINERAL SPIRIT EMULSIFIERS/ADDITIVES	64741-65-7	3%	TLV 100 PPM	1255
WATER		67%	ND	
VINYLTOLUENE ACRYLATE			NA	
POLYMER EMULSION	60381-61-5	24%	ND	

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212° F

MELTING POINT: N/A

VAPOR PRESSURE: 2.00 mm Hg

SPECIFIC GRAVITY (H2O=1):

1.08

VAPOR DENSITY (AIR=1): GREATER THAN AIR

SOLUBILITY IN H2O BY WT: 100%

% VOLATILES BY VOL: 78%

APPEARANCE AND ODOR: GRAY PAINT LIKE

PH (1% SOLN): ND

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 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 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: 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 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 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

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

PREPARED BY: DARRYL MANUEL
TITLE: PRESIDENT
COMPANY: VEXCON CHEMICALS
ADDRESS: 7240 STATE ROAD., PHILA., PA. 19135

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