

**HAZARD RATING**

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

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0

**MATERIAL SAFETY DATA SHEET  
VEXCON NO. RP111**



Performance Construction Chemicals

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**GENERAL INFORMATION**

**PRODUCT IDENTIFICATION:** CERTI-VEX® SLU 500  
**COMMON NAME:** CEMENTIOUS GROUTING MATERIAL  
**DOT SHIPPING NAME:** CERTI-VEX SLU 500(NON-REGULATED)  
**HEALTH AND SAFETY:** THIS PRODUCT IS A GRAY POWDERED SOILD. CONTINUED INFALATION OF DUST OVER A PERIOD OF YEARS WITHOUT PROPER RESPIRATOR AND VENILATION CONTROLS WILL CAUSE SILICOSIS AND LUNG CANCER. USED ONLY WITH SAFETY GLASSES, NEOPRENE GLOVES AND PROTECTIVE CLOTHING RECOMMENDED.

**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:** September 1999  
**PREPARED BY:** DARRYL F. MANUEL/PRESIDENT

**SECTION II HAZARDOUS INGREDIENTS**

MATERIAL OR COMPONENTS	CAS. NO.	%	OSH PEL: ACGHI TLV	
PORTLAND CEMENT	65997-15-1	40%	50 mg/m3	50 mppcf
SILICA SAND*	14808-60-7	40%	.1 mg/m3	.1 mg/m3
CALCIUM ALUMINATE CEMENT	65997-16-2	20%	5mg/M <sup>3</sup>	NA
PROPRIETARY COMPOUNDS	NA		ND	NA

\*CONTINUED INHALATION OF DUST OVER A PERIOD OF YEARS WITHOUT PROPER RESPIRATOR AND VENTILATION CONTROLS WILL CAUSE SILICOSIS AND LUNG CANCER. CURRENT OSHA STANDARD FOR CRYSTALLINE SILICA(RESPIRABLE DUST) IS 10mg SILICA PER CUBIC METER OF AIR DIVIDED BY THE PERCENT S102 AVENTRAGED OVER AN EIGHT HOUR WORK SHIFT AND FOR TOTAL DUST IS 30mg/m3 DIVIDED BY THE PERCE S102 AVERAGED OVER AN EIGHT HOUR WORK SHIFT.

**SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS**

**BOILING POINT:** N/A      **MELTING PIONT:** N/A  
**SPECIFIC GRAVITY (H2O=1):** 2.65      **VAPOR PRESSURE (AIR=1):**N/A  
**VAPOR DENSITY (mmhg):** N/A  
**APPEARANCE AND ODOR:** GRAY NO ODOR  
**PH (AS IS):** NA      WHEN MIXED-12  
**EVAPORATION RATE:** N/A      **FREEZING POINT:** N/A

**SECTION IV FIRE AND EXPLOSION DATA**

**FLASH POINT:** N/A      **AUTOIGNITION TEMPERATURE:** N/A  
**FLAMMABLE LIMITS IN AIR: % BY VOL:** N/A  
**UNUSUAL FIRE AND EXPLOSION HAZARD:** N/A NOT COMBUSTIBLE OR EXPLOSIVE

**SECTION V REACTIVITY DATA**

**CONDITIONS CONTRIBUTING TO INSTABILITY:** WATER  
**INCOMPATIBILITY:** NONE  
**HAZARDOUS DECOMPOSITION PRODUCTS** NONE  
**CONDITIONS CONTRIBUTING TO HAZARD**  
**POLYMERIZATION:** N/A WILL NOT OCCUR.

**SECTION IV HEALTH HAZARD INFORMATION**

**ROUTES OF EXPOSURE**  
**INHALATION:** DUST CAN CAUSE INFLAMMATION OF NOSE TISSUE LINING AND CORNEA. HYPERSENSITIVITY MAY CAUSE ALLERGIC DERMATITIS. CONTINUED INHALATION OF DUST OVER A PERIOD OF YEARS WITHOUT PROPER RESPIRATOR AND VENTILATION CONTROLS WILL CAUSE SILICOSIS AND LUNG CANCER.  
**SKIN CONTACT:** PRODUCT IS ALKALINE AND CAN IRRITATE THE SKIN  
**SKIN ABSORPTION:** SEE ABOVE  
**EYE CONTACT:** THIS PRODUCT MAY BE AN EYE IRRITANT.

**INGESTION/INHALATION:** CURRENT OSHA STANDARDS FOR CRYSTALLINE SILICA IS 10mg SILICA PER CUBIC METER OF AIR DIVIDED BY THE PERCENT S102 AVERAGED OVER AN EIGHT HOUR WORK SHIFT AND FOR TOTAL DUST IS 30 mg/m<sup>3</sup> DIVIDED BY THE PERCENT S102 AVERAGED OVER AN EIGHT HOUR WORK SHIFT.

**EFFECTS OF OVEREXPOSURE:** WITHOUT PROPER RESPIRATOR AND VENTILATION CONTROLS PROLONGED INHALATION OF DUST OVER A PERIOD OF YEARS WILL CAUSE SILICOSIS AND LUNG CANCER.

**ACUTE OVER EXPOSURE:** PRODUCT IS ALKALINE AND CAN IRRITATE THE SKIN AND EYES, AS WELL AS THE MUCOUS MEMBRANES.

**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** IMMEDIATELY SEEK MEDICAL ADVISE. GIVE MILK OR EGG WHITE BEATEN WITH WATER UNTIL VOMIT FLUID IS CLEAR. IF VOMITING DOES NOT OCCUR, INDUCE VOMITING BE GAGGING THE VICTIM. DO NOT INDUCE VOMITING OF GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

**WASTE DISPOSAL METHOD:** DISPOSE AS A NON HAZARDOUS WASTE, IN COMPLIANCE WITH LOCAL AND FEDERAL REGULATIONS. NOT CONSIDERED A HAZARDOUS WASTE BY THE EPA (RCRA).

**STEPS TO BE TAKEN IF MATERIAL IF RELEASED OR SPILLED:** SWEEP UP--AVIOD CREATING EXCESSIVE DUST. WEAR APPROVED MSHA/NIOSH RESPIRATORS. DO NOT WASH DOWN DRAINS.

**SECTION VIII CONTROL MEASURES**

**VENTILATION REQUIREMENTS:** CRYSTALLINE SILICA (RESPIRABLE DUST) MUST BE WITHIN CURRENT OSHA STANDARDS: mg SILICA PER CUBIC METER OF AIR DIVIDED BY THE PERCENT S102 AVERAGED OVER AN EIGHT HOUR WORK SHIFT AND FOR TOTAL DUST IS 30mg /m<sup>3</sup> DIVIDED BY THE PERCENT S102 AVAGE OVER AN EIGHT HOUR WORK SHIFT.

**RESPIRATORY:** MSHA/NIOSH APPROVED RESPIRATOR 3M9900 OR EQUIVALENT.

**EYES:**CHEMICAL GOGGLES AND/OR FACE SHIELD ARE RECOMMENDED TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION, OR INJURY.

**GLOVES:** RUBBER GLOVES, (CHEMICAL RESISTANT) SUCH AS NEOPRENE, LATEX OR PVA.

**OTHER CLOTHING:** TO PREVENT BODY CONTACT, IMPERVIOUS CLOTHING AND BOOTS 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

**OTHER HANDLING AND STORAGE REQUIREMENTS:** STORE IN AIR TIGHT CONTAINERS OR POLY LINED BAGS IN A COOL DRY AREA. 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.

**HMIS HAZARD RATING:**

	NPCA-HMIS	NFPA 704	KEY
HEALTH	2	2	4=SEVERE
FLAMMABILITY	0	0	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 IN ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES? YES

**PREPARED BY:**

DARRYL F. MANUEL

**TITLE:**

PRESIDENT

**COMPANY:**

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