

HAZARD RATING

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

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0

**MATERIAL SAFETY DATA SHEET
 VEXCON NO. CG101 & 103**

GENERAL INFORMATION

PRODUCT IDENTIFICATION: CERTI-VEX GROUT 500 AND #1000
COMMON NAME: CEMENTITIOUS GROUTING MATERIAL
DOT SHIPPING NAME: CERTI-GROUT (NON-REGULATED)
HEALTH AND SAFETY: THIS PRODUCT IS A GRAY POWDERED SOLID. CONTINUED INHALATION OF DUST OVER A PERIOD OF YEARS WITHOUT PROPER RESPIRATOR AND VENTILATION CONTROLS WILL CAUSE SILICOSIS AND LUNG CANCER. USED ONLY WITH SAFETY GLASSES, NEOPRENE GLOVES AND PROTECTIVE CLOTHING RECOMMENDED.

SECTION I

MANUFACTURER: VEXCON CHEMICALS
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PREPARED: MARCH 1996
UPDATED: MAY 2009
PREPARED BY: DARRYL F. MANUEL/PRESIDENT

SECTION II HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENTS	CAS. NO.	%	OSHA PEL:	ACGHI TLV
PORTLAND CEMENT	65997-15-1	40-60	10 mg/m3	50 mppcf
SILICA SAND*	14808-60-7	40-60	0.1 mg m3	0.1 mg/m3

*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 SiO2 AVERAGED OVER AN EIGHT HOUR WORK SHIFT AND FOR TOTAL DUST IS 30mg/m3 DIVIDED BY THE PERCENT SiO2 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)**
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 PRODUCT: 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/INHALATON: CURRENT OSHA STANDARDS FOR CRYSTALLINE SILICA IS 10mg SILICA PER CUBIC METER OF AIR DIVIDED BY THE PERCENT SiO2 AVERAGED OVER AN EIGHT HOUR WORK SHIFT AND FOR TOTAL DUST IS 30 mg/m3 DIVIDED BY THE PERCENT SiO2 AVERAGED OVER AN EIGHT HOUR WORK SHIFT.
FFECTS 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 ADVICE. GIVE MILK OR EGG WHITE BEATEN WITH WATER UNTIL VOMIT FLUID IS CLEAR. IF VOMITING DOES NOT OCCUR, INDUCE VOMITING BY 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 -- AVOID 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: 10mg SILICA PER CUBIC METER OF AIR DIVIDED BY THE PERCENT SiO2 AVERAGED OVER AN EIGHT HOUR WORK SHIFT AND FOR TOTAL DUST IS 30 mg /m3 DIVIDED BY THE PERCENT SiO2 AVERAGED 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 PORDUCT 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 ITS INGREDIENTS, BEING CERTIFIED FOR INCLUSION ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES? YES

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