

HAZARD RATING

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

| | |
|---------------------|----------|
| HEALTH | 2 |
| FLAMMABILITY | 0 |
| REACTIVITY | 0 |

MATERIAL SAFETY DATA SHEET
VEXCON NO. RP103



Performance Construction Chemicals

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GENERAL INFORMATION

PRODUCT IDENTIFICATION: CERTI-VEX® RAPID PATCH
COMMON NAME: CEMENTIOUS GROUTING MATERIAL
DOT SHIPPING NAME: CERTI-RAPID PATCH (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_
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: MARCH 1996
PREPARED BY: DARRYL F. MANUEL/PRESIDENT

SECTION II HAZARDOUS INGREDIENTS

| <u>MATERIAL OR COMPONENTS</u> | <u>CAS. NO.</u> | <u>%</u> | <u>OSHA PEL:</u> | <u>ACGHI TLV</u> |
|-------------------------------|-----------------|----------|------------------|------------------|
| 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 |
| CALCIUM ALUMINATE CEMENT | 65997-16-2 | | N/D 5mg/M3 | |
| POLYSTYRENE FIBERS | | | N/D | N/A |
| PROPRIETARY COMPOUNDS | | | N/D | N/A |

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

SECTION IV FIRE AND EXPLOSION DATA

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

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 VI 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 PERCENTS102 AVERAGED OVER AN EIGHT HOUR WORK SHIFT AND FOR TOTAL DUST IS 30 mg/m3 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. RE-USE

EMERGENCY AND FIRST AID PROCEDURES:

EYES FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN.

SKIN: CEMENT CAN DRY THE SKIN AND CAUSE ALKALI BURNS. NO HEAT IS SENSED. DUST CAN IRRITATE EYES AND UPPER RESPIRATORY SYSTEM.

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: TREAT A COMMON WASTE IN ACCORDANCE WITH LOCAL REGULATIONS.

STEPS TO BE TAKEN IF MATERIAL IF RELEASED OR SPILLED: USE DRY CLEAN UP METHOD THAT DOES NOT DISPERSE DUST INTO THE AIR. AVOID BREATHING DUST. EMERGENCY PROCEDURES NOT REQUIRED.

SECTION VIII CONTROL MEASURES

VENTILATION REQUIREMENTS: USE AS REQUIRED TO CONTROL AIRBORNE DUSTS. MECHANICAL VENTILATION NOT REQUIRED.

RESPIRATORY: NIOSH APPROVED RESPIRATOR IN DUSTY ENVIRONMENTS.

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

OTHER HANDLING AND STORAGE REQUIREMENTS: STORE IN DRY PLACE. KEEP MATERIAL DRY AND BAGS CLOSED.

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 ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES? YES

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