

MATERIAL SAFETY DATA SHEET

VEXCON NO. CP150

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

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

GENERAL INFORMATION

PRODUCT IDENTIFICATION: MOISTUREBLOC® PATCH

VOC CONTENT: NONE

CATEGORY: NONE

COMMON NAME: CEMENTITIOUS GROUTING MATERIAL

DOT SHIPPING NAME: MOISTUREBLOC® 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. USE ONLY WITH SAFETY GLASSES, NEOPRENE GLOVES AND PROTECTIVE CLOTHING RECOMMENDED.

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

| | |
|---------------------------------------|---------------------------------------|
| BOILING POINT: (760mmHg) N/A | MELTING POINT: N/A |
| VAPOR PRESSURE: N/A | VAPOR DENSITY (AIR=1): N/A |
| EVAPORATION RATE (BuAc=1): N/A | SPECIFIC GRAVITY (H2O=1): 2.65 |
| pH (AS IS): N/A | pH WHEN MIXED: 12 |
| APPEARANCE AND ODOR: | GRAY POWDERED SOLID, NO ODOR |

SECTION IV FIRE AND EXPLOSION DATA

| | |
|--------------------------------------------|----------------------------------|
| FLASH POINT: (TEST METHOD) | N/A |
| AUTOIGNITION TEMP: | N/A |
| FLAMMABLE LIMITS IN AIR, % BY VOL: | LOWER: N/A UPPER: N/A |
| EXTINGUISHING MEDIA: | N/A |
| GENERAL HAZARD: | N/A |
| ELECTRO-STATIC ACCUMULATION HAZARD: | N/A |
| UNUSUAL FIRE AND EXPLOSION HAZARD: | N/A NOT COMBUSTIBLE OR EXPLOSIVE |
| SPECIAL FIRE FIGHTING PROCEDURES: | N/A |

SECTION I

MANUFACTURER: VEXCON CHEMICALS, INC.
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PREPARED: MARCH 1996
UPDATED: MARCH 2010
PREPARED BY: DARRYL F. MANUEL, PRESIDENT

SECTION II HAZARDOUS INGREDIENTS

| MATERIAL OR COMPONENTS | CAS NO. | % | HAZARD DATA | UN# |
|------------------------|------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------|-----|
| PORTLAND CEMENT | 65997-15-1 | 25-35% | OSHA PEL: 15 mg/m3 total dust, 5 mg/m3 resp. ACGIH TLV: 10 mg/m3 | |
| SULFONATED MELAMINE | 64787-97-9 MELAMINE OR 50-00-0 FORMALDEHYDE | 1-5% | NOT HAZARDOUS UNDER OSHA REGS ACGIH TLV: 3 mg/m3 RESPIRABLE (TWA) | |
| SILICA SAND* | 14808-60-7 | 70-80% | OSHA PEL (CONSTRUCTION): 250 mppcf ACGIH TLV: 0.025 mg/m3, 0.01 ppm TWA, RESP. NIOSH REL: 0.05 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 V REACTIVITY DATA

| | |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONDITIONS CONTRIBUTING TO INSTABILITY: | WATER H2O |
| INCOMPATIBILITY: | THIS PRODUCT IS ALKALINE AND IS INCOMPATIBLE WITH STRONG OXIDIZING AGENTS, STRONG ACIDS OR BASES, AND SELECTED AMINES. |
| HAZARDOUS DECOMPOSITION PRODUCTS: | THERMAL DECOMPOSITION IN THE PRESENCE OF AIR MAY YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE. ADDING WATER RESULTS IN HYDRATION AND PRODUCES (CAUSTIC) CALCIUM HYDROXIDE. |
| CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: | N/A WILL NOT OCCUR |

SECTION VI HEALTH HAZARD INFORMATION

HEALTH HAZARD DATA HAZARD CLASSIFICATION BASIS FOR CLASSIFICATION SOURCE

| 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: | PRODUCT IS ALKALINE AND CAN IRRITATE THE SKIN |
| EYE CONTACT: | THIS PRODUCT MAY BE AN EYE IRRITANT. |
| INGESTION / INHALATION | CURRENT OSHA STANDARD FOR CRYSTALLINE SILICA IS 10mg SILICA PER CUBIC METER OF AIR DIVIDED BY THE PERCENT SiO ₂ AVERAGED OVER AN EIGHT HOUR WORK SHIFT AND FOR TOTAL DUST IS 30 mg/m ³ DIVIDED BY THE PERCENT SiO ₂ 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 OVEREXPOSURE: | PRODUCT IS ALKALINE AND CAN IRRITATE THE SKIN AND EYES, AS WELL AS THE MUCOUS MEMBRANES. |
| EMERGENCY AND FIRST AID PROCEDURES: | |
| EYES: | FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION. |
| SKIN: | CEMENT CAN DRY THE SKIN AND CAUSE ALKALI BURNS. NO HEAT IS SENSED. WASH WITH SOAP AND LARGE QUANTITIES OF WATER. SEEK MEDICAL ATTENTION IF SKIN IRRITATION DEVELOPS AND PERSISTS. 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 ADVICE. 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 AND SPILL CONTROL

AQUATIC TOXICITY (E.G. 96 HR. TLM): DO NOT DISCHARGE THIS PRODUCT INTO PUBLIC WATERS OR WATERWAYS UNLESS AUTHORIZED BY A NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA).

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: USE DRY CLEAN-UP METHOD THAT DOES NOT DISPERSE DUST INTO THE AIR. AVOID ACTIONS THAT CAUSE DUST TO BECOME AIRBORNE. AVOID BREATHING DUST. AVOID INHALATION OF DUST AND CONTACT WITH SKIN. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT EMERGENCY PROCEDURES NOT REQUIRED. COLLECT DRY MATERIAL USING A SCOOP. SCRAPE UP WET MATERIAL AND PLACE IN APPROPRIATE CONTAINER. ALLOW THE MATERIAL TO "DRY" BEFORE DISPOSAL. DO NOT ATTEMPT TO WASH MATERIAL DOWN DRAINS. DISPOSE OF WASTE MATERIAL ACCORDING TO LOCAL, STATE, FEDERAL, AND EPA REGULATIONS.

WASTE DISPOSAL METHOD: TREAT AS COMMON WASTE IN ACCORDANCE WITH LOCAL REGULATIONS.

SECTION VIII CONTROL MEASURES

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

RESPIRATORY (SPECIFY IN DETAIL): AVOID ACTIONS THAT CAUSE DUST TO BECOME AIRBORNE. USE LOCAL OR GENERAL VENTILATION TO CONTROL EXPOSURES BELOW APPLICABLE EXPOSURE LIMITS. USE NIOSH / MSHA APPROVED (UNDER 30 CFR 11) OR NIOSH-APPROVED (UNDER 42 CFR 84) RESPIRATORS IN POORLY VENTILATED AREAS, IF AN APPLICABLE EXPOSURE LIMIT IS EXCEEDED, OR WHEN DUST CAUSES DISCOMFORT OR IRRITATION.

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

GLOVES: THE USE OF IMPERMEABLE GLOVES IS ADVISED TO PREVENT SKIN IRRITATION IN SENSITIVE INDIVIDUALS. IMPERVIOUS GLOVES, (CHEMICAL RESISTANT) SUCH AS NEOPRENE, LATEX OR PVA.

OTHER CLOTHING AND EQUIPMENT: TO PREVENT BODY CONTACT, IMPERVIOUS CLOTHING AND BOOTS ARE RECOMMENDED. THE AVAILABILITY OF EYE WASHES AND SAFETY SHOWERS IN WORK AREAS IS RECOMMENDED.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS: 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/DRIED BEFORE REUSE. 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: KEEP PRODUCT CONTAINERS COOL AND DRY. KEEP BAGS CLOSED. USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION EQUIVALENT TO FRESH AIR. 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 AREAS WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL.

HMIS HAZARD RATINGS:

THIS INFORMATION IS FOR PEOPLE TRAINED IN:
NATIONAL PAINT AND COATINGS ASSOCIATIONS (NPCA)
HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 704)
IDENTIFICATION OF FIRE HAZARDS OF MATERIALS

| VEXCON MOISTUREBLOC PATCH | NPCA- HMIS | NFPA 704 | KEY |
|------------------------------|---------------|-------------|------------|
| HEALTH | 2 | 2 | 4=SEVERE |
| FLAMMABILITY | 0 | 0 | 3=SERIOUS |
| REACTIVITY | 0 | 0 | 2=MODERATE |
| | | | 1=SLIGHT |
| | | | 0=MINIMAL |

SECTION X REGULATORY INFORMATION

ADDITIONAL REGULATORY CONCERNS: (FEDERAL, FDA, USDA, CPSC, STATE, OTHER)

FEDERAL:

FDA:

USDA:

CERCLA / RQ: NONE – NOT APPLICABLE

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

PREPARED BY

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