

StreetBond Cembase HARDENER

**PRODUCT NAME:** StreetBond Cembase HARDENER  
**PRODUCT CODE:** SBRH-CB150-B1

**HMIS CODES:** H F R P  
 2\*0 0 E

===== SECTION 1 - MANUFACTURER IDENTIFICATION =====

Quest Construction Products LLC  
 1465 Pipefitter Street  
 N. Charleston, SC 29405  
 INITIAL(FIRST CALL)CHEMTREC(800)424-9300  
**24 HOUR EMERGENCY (800) 541-4383**  
 INFORMATION PHONE: 480-754-8900

DATE REVISED October 2011

===== SECTION 2 - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	MM HG	@ TEMP	WEIGHT PERCENT---
# CRYSTALLINE SILICA	14808-60-7	N/A	N/A	49.7
OSHA PEL: EXPOSURE TO AIRBORNE CRYSTALLINE SILICA SHALL NOT EXCEED AN 8 HOUR TIME WEIGHTED AVERAGE LIMIT AS STATED IN 29CFR 1910.1000, TABLE Z-1-A AIR CONTAMINANTS, SPECIFICALLY; SILICA, CRYSTALLINE QUARTZ (RESPIRABLE) 0.1 MG/M3. ACGIH TLV-TWA: 0.1 MG/M3. NIOSH MAXIMUM PERMISSABLE CONC. 0.05 M G/M3, 10 HR. WORKDAY, 40 HR. WEEK.				
# AMORPHPOUS CALCIUM SILICATE	MIXTURE	N/A	N/A	37.3
Amorphous Silica CAS#7631-86-9, OSHA/PEL80MG/M3, ACGIH/TLV*3mg/m3, *10mg/m3 Particulate CAS#Various, OSHA/PEL/UNK, ACGIH/TLV2mg/m3 Calcium Oxide, CAS#Various, 5mg/m3, ACGIH/TLV2mg/m3 Aluminum Oxide, CAS# Various, (respirable Fraction), OSHA/PEL 5mg/m3, ACGIH/TLV UNK, (Total Dust), OSHA/PEL 15mg/m3, ACGIH/TLV10mg/m3 Crystalline Silica, CAS# 14808-60-7, (respirable Fraction), OSHA/PEL 10mg/m3, ACGIH/TLVUNK, (Total Dust), OSHA/PEL 30mg/m3, ACGIH/TLV.05mg/m3 Magnesium Oxide ,CAS# Various, OSHA/PEL 15mg/m3, ACGIH/TLV10mg/m3 Iron Oxide, CAS# Various, OSHA/PEL 10mg/m3 ,ACGIH/TLV5mg/(Fe)/m3 Titanium Oxide, CAS# Various, OSHA/PEL 15mg/m3, ACGIH/TLV10mg/m3 Maganese Oxide, CAS# Various, OSHA/PEL UNK, ACGIH/TLV5mg.m3 Nuisance Dust, CAS# Various, (respirable Fraction), OSHA/PEL 5mg/m3, ACGIH/TLV3mg/m3 (Total Inhalable), OSHA/PEL 15mg/m3, ACGIH/TLV10mg/m *these values are for particualte matter w/no asbestos &<1% Silica				
HYDRAULIC CEMENT (CALCIUM SILICATE SALTS)		N/A	N/A	9-11
TWA: OSHA-TOTAL DUST, 15MG/M3, 5MG/M3 RESPIRABLE. NIOSH-TOTAL DUST, 10MG/M3, 5MG/M3 RESPIRABLE. ACGIH-TOTAL DUST, 10MG/M3.				
REACTION PRODUCT OF EPICHLOROHYDRIN & BISPHENOL A	25085-99-8	N/A	N/A	4-6
NO EXPOSURE GUIDELINES HAVE BEEN ESTABLISHED FOR THIS CHEMICAL.				

\*\*\* No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. \*\*\* #Indicates carcinogenic chemical

WHEN COMBINED WITH THE BASE, THE HAZARDOUS PROPERTIES OF BOTH COMPONENTS MAY BE EXHIBITED. THIS MSDS MAY BE USED FOR OTHER SIZES OF THIS PRODUCT.

=====SECTION 3 HAZARDS IDENTIFICATAION=====

**POTENTIAL HEALTH EFFECTS**

**EYES:**

MAY CAUSE SEVERE IRRITATION WITH CORNEAL INJURY WHICH MAY RESULT IN PERMANENT IMPAIRMENT OF VISION, EVEN BLINDNESS

**SKIN:**

CAUSES SEVERE IRRITATION WITH PAIN, REDNESS AND SWELLING, BLISTER FORMATION, AND POSSIBLE TISSUE DESTRUCTION

**INGESTION:**

IRRITATION OF THE MOUTH, PHARYNX, ESOPHAGUS AND STOMACH CAN DEVELOP FOLLOWING INGESTION.

**INHALATION:**

IRRITATION OF THE NOSE, THROAT AND RESPIRATORY TRACT. RESPIRATORY SYMPTOMS ASSOCIATED WITH PRE-EXISTING LUNG CONDITIONS, SUCH AS ASTHMA, MAY BE AGGRAVATED.

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=====SECTION 4 FIRST AID MEASURES=====

**EYES:**

IMMEDIATELY FLUSH EYES WITH CLEAN, LUKEWARM WATER FOR 15 MINUTES WHILE LIFTING EYELIDS. REFER TO PHYSICIAN OR OPHTHALMOLOGIST FOR IMMEDIATE FOLLOW-UP.

**SKIN:**

REMOVE CONTAMINATED CLOTHING IMMEDIATELY. WASH AFFECTED AREAS WITH SOAP AND WATER. AFTER WASHING, APPLY LOTION OR OINTMENT TO AFFECTED SKIN. WASH CLOTHING BEFORE REUSE. FOR SEVERE EXPOSURES, GET UNDER SAFETY SHOWER AND GET MEDICAL ATTENTION IF IRRITATION OR ALLERGIC DERMATITIS SYMPTOMS DEVELOPS. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

**INGESTION:**

DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CONSULT A PHYSICIAN IMMEDIATELY

**INHALATION:**

REMOVE FROM SOURCE OF EXPOSURE AND INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.

**NOTE TO PHYSICIAN:**

SWALLOWING OF THIS CORROSIVE MATERIAL MAY RESULT IN SEVERE ULCERATION, INFLAMMATION, AND POSSIBLE PERFORATION OF THE UPPER ALIMENTARY TRACT, WITH HEMORRHAGE AND FLUID LOSS. ASPIRATION OF THIS MATERIAL DURING INDUCED EMESIS CAN RESULT IN SEVERE LUNG INJURY. IF EVACUATION OF THE STOMACH IS NECESSARY, USE METHOD LEAST LIKELY TO CAUSE ASPIRATION, SUCH AS GASTRIC LAVAGE AFTER ENDOTRACHEAL INTUBATION. CONTACT A POISON CONTROL CENTER FOR ADDITIONAL TREATMENT INFORMATION.

=====SECTION 5 FIRE FIGHTING MEASURES=====

**FLAMMABLE PROPERTIES:**

**FLASH POINT:** >205F/>96C SETA FLASH CLOSED CUP.

**LOWER FLAMMABLE LIMITS:** N/A

**UPPER FLAMMABLE LIMIT:** N/A

**AUTO IGNITION TEMPERATURE:** NOT AVAILABLE

**EXTINGUISHING MEDIA:**

USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE

**SPECIAL FIRE FIGHTING PROCEDURES:**

DO NOT ENTER ANY ENCLOSED OR CONFINED SPACE WITHOUT FULL PROTECTIVE EQUIPMENT, INCLUDING SELF-CONTAINED BREATHING APPARATUS (PRESSURE-DEMAND MSHA/NIOSH APPROVED OR EQUIVALENT) TO PROTECT AGAINST THE HAZARDOUS EFFECTS OF COMBUSTION PRODUCTS AND OXYGEN DEFICIENCY.

=====SECTION 6 ACCIDENTAL RELEASE MEASURES=====

**SMALL SPILL:**

STOP SPILL AT SOURCE. PICK UP WITH MOP AND SHOVEL. RINSE WELL WITH WATER.

**LARGE SPILL:**

USE SAME PROCEDURE AS SMALL SPILL.

=====SECTION 7 HANDLING AND STORAGE=====

**HANDLING & STORAGE:**

KEEP FROM FREEZING. KEEP CONTAINER COOL AND DRY. USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION. KEEP PRODUCT CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. AVOID SUBJECTING THIS PRODUCT TO EXTREME TEMPERATURE VARIATIONS

**OTHER PRECAUTIONS:**

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

=====SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION=====

**ENGINEERING CONTROLS/PERSONAL PROTECTION:**

LOCAL EXHAUST VENTILATION RECOMMENDED IF GENERATING VAPOR, DUST OR MIST. TURN OFF HEATING AND/OR AIR CONDITIONING EQUIPMENT TO PREVENT CONTAMINATING BUILDING.

IN OUTSIDE SPRAY APPLICATIONS, PROVIDE AIRFLOW IN A DOWNWIND DIRECTION SO AS TO CARRY FUMES AND RESIDUAL SPRAY AWAY FROM WORKERS.

IF EXHAUST VENTILATION IS NOT ADEQUATE, USE MSHA OR NIOSH APPROVED RESPIRATOR. REFER TO OSHA STANDARD 29 CFR 1910.94 FOR GUIDELINES.

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**RESPIRATORY PROTECTION:**

WEAR A NIOSH APPROVED RESPIRATOR APPROPRIATE FOR THE PARTICULATE CONCENTRATION AT THE POINT OF USE. APPROPRIATE RESPIRATORS MAY BE A FULL FACEPIECE OR A HALF MASK AIR-PURIFYING CARTRIDGE RESPIRATOR EQUIPPED FOR ORGANIC VAPORS/MISTS, A SELF-CONTAINED BREATHING APPARATUS IN THE PRESSURE DEMAND MODE, OR A SUPPLIED-AIR RESPIRATOR. REFER TO OSHA STANDARD 29 CFR 1910.134 FOR ADDITIONAL INFORMATION.

**SKIN PROTECTION:**

THE USE OF GLOVES IMPERMEABLE TO THE SPECIFIC MATERIAL HANDLED IS ADVISED TO PREVENT SKIN CONTACT AND POSSIBLE IRRITATION. NOTE THAT PVA DEGRADES IN WATER.

**EYE PROTECTION:**

CHEMICAL GOGGLES, UNLESS A FULL FACE PIECE RESPIRATOR IS USED. DO NOT WEAR CONTACT LENSES AS THEY MAY CONTRIBUTE TO THE SEVERITY OF INJURY TO THE EYE. EYE PROTECTION WORN MUST BE COMPATIBLE WITH RESPIRATORY PROTECTION SYSTEM EMPLOYED.

===== SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES=====

<b>BOILING RANGE:</b> N/A	<b>SPECIFIC GRAVITY (H2O=1):</b> 2.7017
<b>VAPOR DENSITY:</b> LIGHTER THAN AIR	<b>EVAPORATION RATE:</b> SLOWER THAN ETHER
<b>COATING V.O.C.:</b> 0.0 lb/gl	<b>COATING V.O.C.:</b> 0 g/l
<b>MATERIAL V.O.C.:</b> 0.0 lb/gl	<b>MATERIAL V.O.C.:</b> 0 g/l
<b>SOLUBILITY IN WATER:</b> SOLUBLE	<b>APPEARANCE:</b> GRAY, GRANULAR POWDER.
<b>ODOR:</b> SLIGHT	

===== SECTION 10 STABILITY & REACTIVITY DATA=====

**STABILITY:**

STABLE

**CONDITIONS TO AVOID**

MOISTURE (WILL LEAD TO PRODUCT PERFORMANCE DEGRADATION)

**INCOMPATIBILITY (MATERIALS TO AVOID)**

AVOID STRONG OXIDIZING AGENTS SUCH AS LIQUID CHLORINE, CONCENTRATED OXYGEN, SODIUM HYPOCHLORITE OR CALCIUM HYPOCHLORITE.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

THERMAL DECOMPOSITION OR BURNING MAY PRODUCE CARBON MONOXIDE, CARBON DIOXIDE, SULPHUR OXIDES AND UNIDENTIFIED ORGANICS IN SMOKE.

**HAZARDOUS POLYMERIZATION:**

WILL NOT OCCUR

===== SECTION 11 TOXICOLOGICAL INFORMATION=====

**EYE:**

NO ANIMAL DATA AVAILABLE

**SKIN:**

CRYSTALLINE SILICA, CAS: 14808-60-7: SKIN IRRITATION-DUE TO THE HIGH TENDANCY TO ABSORB MOISTURE(AND OILS),MANY INDIVIDUALS EXPERIENCE EXCESSIVELY DRY, CHAPPED SKIN WITH PROLONGED OR REPEATED EXPOSURE.

PORTLAND CEMENT, CAS: 65997-15-1: CEMENT DERMATITIS DOES OCCUR AMONG EXPOSED WORKERS, HOWEVER, AS A CONSEQUENCE OF THE ALKALINE, ABRASIVE, AND HYGROSCOPIC PROPERTIES OF THE WET CEMENT, WHICH CAUSE IRRITATION OF THE SKIN (SCHWARTZ, TULIPAN, AND BIRMINGHAM 1957A/EX. 1-1168).

**INGESTION:**

NO ANIMAL DATA AVAILABLE

**INHALATION:**

SILICA,CRYSTALLINE CAS#14808-60-7 RESPIRABLE CRYSTALLINE SILICA (QUARTZ) CAN CAUSE SILICOSIS, A FIBROSIS (SCARRING) OF THE LUNGS. SILICOSIS MAY BE PROGRESSIVE; IT MAY LEAD TO DISABILITY AND DEATH.

**SUBCHRONIC:**

SIGNS AND SYMPTOMS OF EXPOSURE TO THIS MATERIAL THROUGH BREATHING, SWALLOWING, AND/OR PASSAGE OF THE MATERIAL THROUGH THE SKIN MAY INCLUDE: MOUTH AND THROAT IRRITATION , STOMACH OR INTESTINAL UPSET (NAUSEA, VOMITING, DIARRHEA), IRRITATION (NOSE, THROAT, AIRWAYS),

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**CHRONIC/CARCINOGENICITY:**

CONTAINS CRYSTALLINE SILICA CAS#14808-60-7. OVEREXPOSURE TO RESPIRABLE CRYSTALLINE SILICA DUST CAN CAUSE SILICOSIS, A FORM OF PROGRESSIVE PULMONARY FIBROSIS. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS EVALUATED IN VOLUME 68, MONOGRAPHS ON THE EVALUATION OF THE CARCINOGENICITY RISK OF CHEMICALS TO HUMANS, CRYSTALLINE SILICA IN THE FORM OF QUARTZ AND AMORPHOUS SILICA (1997), THAT THERE IS "SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF INHALED CRYSTALLINE SILICA IN THE FORM OF QUARTZ OR CRISTOBALITE FROM OCCUPATIONAL EXPOSURES HAS BEEN CLASSIFIED AS A GROUP 1 CARCINOGEN BY THE IARC.

**TERATOLOGY:**

NO ANIMAL DATA AVAILABLE

**REPRODUCTION:**

NO ANIMAL DATA AVAILABLE

**MUTAGENICITY:**

COLLECTIVE DATA INDICATE NON-MUTAGENIC.

=====SECTION 12 ECOLOGICAL INFORMATION=====

**ECOTOXICOLOGICAL INFORMATION:**

NO DATACHEMICAL FATE INFORMATION:  
NO DATA.

=====SECTION 13 DISPOSAL CONSIDERATIONS:=====

**INSTRUCTIONS:**

WHATEVER CANNOT BE SAVED FOR REUSE SHOULD BE TRANSFERRED TO AN APPROPRIATE AND APPROVED WASTE DISPOSAL FACILITY. CONSULT APPROPRIATE NATIONAL, STATE AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES.

=====SECTION 14 TRANSPORT INFORMATION=====

**SHIPPING INFORMATION:**

DOT INFORMATION - 49 CFR 172.101  
DOT DESCRIPTION: NOT REGULATED

=====SECTION 15 REGULATORY INFORMATION=====

(NOT MEANT TO BE ALL INCLUSIVE-SELECTED REGULATIONS REPRESENTED)

**US REGULATIONS:**

STATUS OF SUBSTANCES LISTS:  
THE CONCENTRATIONS SHOWN IN SECTION II ARE MAXIMUM CEILING LEVELS (WEIGHT %) TO BE USED FOR CALCULATIONS FOR REGULATIONS.  
A REPORTABLE QUANTITY IS A QUANTITY OF A HAZARDOUS SUBSTANCE THAT TRIGGERS REPORTING REQUIREMENTS UNDER THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT(CERCLA).IF A SPILL OF A SUBSTANCE EXCEEDS IT'S REPORTABLE QUANTITY(RQ) IN CFR 302.3 TABLE 40 302.4 APPENDIX A & 302.4 APPENDIX B, THE RELEASE MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER AT (800) 424-8802, THE STATE EMERGENCY RESPONSE COMMISSION (SERC), AND COMMUNITY EMERGENCY COORDINATORS LIKELY TO BE AFFECTED.

**COMPONENTS PRESENT THAT COULD REQUIRE REPORTING UNDER THE STATUTE ARE:**

NONE KNOWN  
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986(SARA) TITLE III REQUIRES EMERGENCY PLANNING BASED ON THE THRESHOLD QUANTITIES (TPQ'S) AND RELEASE REPORTING BASED ON REPORTABLE QUANTITIES (RQ'S) IN 40 CFR 355 APPENDIX A&B EXTREMELY HAZARDOUS SUBSTANCES. THE EMERGENCY PLANNING AND RELEASE REQUIREMENTS OF 40 CFR 355 APPLY TO ANY FACILITY AT WHICH THERE IS PRESENT AN AMOUNT OF ANY EXTREMELY HAZARDOUS SUBSTANCE EQUAL TO OR IN EXCESS OF IT'S THRESHOLD PLANNING QUANTITY.

**COMPONENTS PRESENT THAT COULD REQUIRE REPORTING UNDER THE STATUTE ARE:**

NONE KNOWN  
EPCRA 40 CFR 372(SECTION 313 REQUIRES EPA AND THE STATES TO ANNUALLY COLLECT DATA ON RELEASES OF CERTAIN TOXIC MATERIALS FROM INDUSTRIAL FACILITIES, AND MAKE THE DATA AVAILABLE TO THE PUBLIC IN THE TOXICS RELEASE INVENTORY(TRI), THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED OR OR COMPILED FOR THIS MATERIAL.

**COMPONENTS PRESENT THAT COULD REQUIRE REPORTING UNDER THE STATUTE ARE:**

**SEE SECTION II**

THE COMPONENTS OF THIS PRODUCT ARE LISTED OR EXCLUDED FROM LISTING ON THE US TOXIC SUBSTANCE CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY. THIS MIXTURE HAS NOT BEEN TESTED AS A WHOLE TO DETERMINE WHETHER THE MIXTURE IS A HEALTH HAZARD.THE MIXTURE SHALL BE ASSUMED TO PRESENT THE SAME HEALTH HAZARDS AS DO THE COMPONENTS WHICH COMPRISE ONE PERCENT(BY WEIGHT OR VOLUME) OR GREATER OF THE MIXTURE,EXCEPT THAT THE MIXTURE SHALL BE ASSUMED TO PRESENT A CARCINOGENIC HAZARD IF IT HAS A COMPONENT IN CONCENTRATIONS OF 0.1 PERCENT OR GREATER WHICH IS CONSIDERED TO BE A CARCINOGEN. FOR A LIST OF HAZARDOUS INGREDIENTS:

**SEE SECTION II**

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THE REMAINING PERCENTAGE OF UNSPECIFIED INGREDIENTS, IF ANY, ARE NOT CONTAINED IN ABOVE DE MINIMIS CONCENTRATIONS AND/OR ARE BELIEVED TO BE NON-HAZARDOUS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200), AND MAY CONSIST OF PIGMENTS, FILLERS, DEFOAMERS, WETTING AGENTS, RESINS, DRYERS, ANTI-BACTERIAL AGENTS, WATER AND/OR SOLVENTS IN VARYING CONCENTRATIONS.

**INTERNATIONAL REGULATIONS:**

**CANADIAN WHMIS:**

SUBDIVISION A OF DIVISION 2 OF CLASS D POISONOUS AND INFECTIOUS MATERIALS

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):**

ALL OF THE COMPONENTS OF THIS PRODUCT ARE EXEMPT OR LISTED ON THE DSL.SEE SECTION II FOR COMPOSITION/INFORMATION ON INGREDIENTS

**EINECS:**

ALL OF THE COMPONENTS OF THIS PRODUCT ARE LISTED IN THE EINECS INVENTORY OR ARE EXEMPT FROM NOTIFICATION REQUIREMENTS.

SILICA	CAS#14808-60-7	EINECS#:231-545-4
AMPHOROUS SILICA	CAS#7631-86-9	EINECS#:231-545-4

**STATE REGULATIONS:**

**CALIFORNIA:**

CALIFORNIA PROPOSITION 65: THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986. THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCE(S) KNOWN TO THE STATE OF CALIFORNIA

**A: CAUSE CANCER:**

CRYSTALLINE SILICA(AIRBORNE PARTICLES OF RESPIRABLE SIZE), CAS#14808-60-7

**B: CAUSE REPRODUCTIVE HARM:**

NONE KNOWN

**FLORIDA:**

SILICA	CAS#14808-60-7	LISTED AS TOXIC
AMPHOROUS SILICA	CAS#7631-86-9	LISTED AS TOXIC

**MICHIGAN:**

NONE KNOWN

**MINNESOTA:**

SILICA           CAS#14808-60-7  
 LISTED IN THE MINNESOTA HAZARDOUS SUBSTANCES LIST:  
 CODES:           A  
 HAZARDS:        --  
 CARNINOGEN?    NO

AMPHOROUS SILICA           CAS#7631-86-9  
 LISTED IN THE MINNESOTA HAZARDOUS SUBSTANCES LIST:  
 CODES:           ANOR  
 HAZARDS:        --  
 CARNINOGEN?    YES

**MASSACHUSETTS**

SILICA	CAS#14808-60-7	SUBSTANCE CODES:1,2,4,*E*C*F5
AMPHOROUS SILICA	CAS#7631-86-9	SUBSTANCE CODES:2,4,5,F5

**PENNSYLVANIA:**

SILICA	CAS#14808-60-7	CODE:--
AMPHOROUS SILICA	CAS#7631-86-9	CODE:--

**NEW JERSEY:**

NONE KNOWN

**NEW YORK:**

NONE KNOWN

**WASHINGTON:**

SILICA	CAS#14808-60-7		
WASHINGTON AIR CONTAMINANT:		ppm	mg/Cubic Meter
TWA		UNK	.1
STEL		UNK	UNK
CEILING		UNK	UNK
SKIN:		UNK	

=====SECTION 16 OTHER INFORMATION=====

CODES DEFINED:  
 CERCLA>Note: The RQ is in pounds for chemicals that are CERCLA hazardous substances.

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A "##" entry in the RQ column indicates that a statutory one-pound RQ applies, but the Agency may adjust the statutory RQ in a future rulemaking.  
A "\*\*\*" entry in the RQ column no RQ is being assigned to the generic or broad class.

A "\*" following the RQ indicates that no release reporting is required if the diameter of the pieces of the solid metal released is 100 micrometers (0.004 inches) or more. If a final RQ has not been assigned under CERCLA to any extremely hazardous chemical listed under Section 301 of SARA Title III, a statutory RQ of one pound applies for Section 304 reporting. This product lists the one-pound statutory RQ for extremely hazardous substances not listed under CERCLA.

A "+" following an entry means the chemical is listed as a hazardous air pollutant under Section 112(b) of the Clean Air Act. A statutory RQ of 1 lb. applies until RQs are adjusted.

STATES:

MA: Codes

- 1 IARC(Int.Agency for Research on Cancer)
- 2 OSHA 29 CFR 1910.1000, sub part Z
- 3 NTP National Toxicology Program
- 4 ACGIH American Conference of Gov.Ind. Hygienists (TLV)
- 5 NFPA49 HAZ CHEM
- 6 NFPA325M FIRE HAZARDS
- 7 CAG Carcinogen Assessment Group
- 8 EPA Environmental Protection Agency pesticides (40 CFR 162.30)
- 9 NCI National Cancer Institutes substances

Hazard Designations

- \*C\* - Carcinogen Poses a risk of cancer in humans.
- \*N\* - Neurotoxin Poses a risk of neurotoxic effects in humans.
- \*M\* - Mutagen Poses a risk of mutagenesis in humans.
- \*E\* - Extraordinarily Hazardous Substances that have a low lethal dose (LD(50)) or are designated carcinogens.
- \*T1\* - Teratogen Sufficient evidence of teratogenic risk in humans.
- \*T2\* - Teratogen Limited evidence of teratogenic risk in humans.

Footnote Designations

- F1 - Elemental Metals and Alloys
- F2 - Asbestos
- F3 - Asphalt
- F4 - Coal Tar Pitch Volatile
- F5 - Dust Producing Materials
- F6 - EPA Extremely Haz. Substances
- F7 - Volatile Organic Substances (VOC's)
- F8 - Cercla Hazardous Substances
- F9 - Toxic Chemical Release Substances

MI: Codes

-- REQUIRES FURTHER REPORTING

MN: Codes

- A American Conference of Governmental Industrial Hygienists (ACGIH)
- I American Industrial Hygiene Association (AIHA)
- N National Institute for Occupational Safety and Health (NIOSH)
- O Occupational Safety and Health Administration (OSHA)
- R International Agency for Research on Cancer (IARC)
- S OSHA proposed standards.
- T National Toxicology Program (NTP)

Hazard Designations

- T: Listed as carcinogen or potential by IARC or NTP
- F: Not listed as carcinogen or potential carcinogen
- asphyxiant: Asphyxiant
- dust: Airborne particulate exposure hazard
- fume: Small solid particles formed by the condensation of vapors of solid materials
- skin: Potential hazard from absorption through skin contact

PA:CODES IDENTIFY CHEMICALS AS:

- (Basic Hazard)
- E (ENVIRONMENTAL HAZARD)
- \* ANY COMPOUND OF THIS CHEMICAL IS ALSO AN ENVIRONMENTAL HAZARD
- S (SPECIAL HAZARD)

THE INFORMATION CONTAINED HEREIN IS FURNISHED WITHOUT WARRANTY OF ANY KIND. USERS SHOULD CONSIDER THESE DATA ONLY AS A SUPPLEMENT TO OTHER INFORMATION GATHERED BY THEM & DETERMINE THE SUITABILITY & COMPLETENESS OF INFORMATION FROM ALL SOURCES TO ASSURE PROPER USE & DISPOSAL OF THESE MATERIALS & THE SAFETY & HEALTH OF EMPLOYEES & CUSTOMERS