

RIVERTON -- SUPER MIX CONCRETE MIX - CEMENT KILN DUST  
MATERIAL SAFETY DATA SHEET  
RIVERTON AS OF January 1999  
NSN: 561000N042985  
Manufacturer's CAGE: RIVER  
Part No. Indicator: A  
Part Number/Trade Name: SUPER MIX CONCRETE MIX

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General Information  
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Item Name: CEMENT KILN DUST  
Company's Name: RIVERTON CORP  
Company's P. O. Box: 300  
Company's City: RIVERTON  
Company's State: VA  
Company's Country: US  
Company's Zip Code: 22681  
Company's Emerg Ph #: 703-635-4131  
Company's Info Ph #: 703-635-4131  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 001  
Status: SMJ  
Date MSDS Prepared: 01AUG90  
Safety Data Review Date: 18SEP95  
MSDS Serial Number: BSYRS  
Hazard Characteristic Code: B3

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Ingredients/Identity Information  
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Proprietary: NO  
Ingredient: TRICALCIUM SILICATE; (3CAO.SIO\*2)  
Ingredient Sequence Number: 01  
NIOSH (RTECS) Number: 1004122TS  
CAS Number: 12168-85-3  
OSHA PEL: N/K (FP N)  
ACGIH TLV: N/K (FP N)

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Proprietary: NO  
Ingredient: DICALCIUM SILICATE; (2CAO.SIO\*2)  
Ingredient Sequence Number: 02  
NIOSH (RTECS) Number: 1004123DS  
CAS Number: 10034-77-2  
OSHA PEL: N/K (FP N)  
ACGIH TLV: N/K (FP N)

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Proprietary: NO  
Ingredient: 3CAO.AL\*20\*3  
Ingredient Sequence Number: 03  
NIOSH (RTECS) Number: 1009998CA  
CAS Number: 23042-70-3  
OSHA PEL: N/K (FP N)  
ACGIH TLV: N/K (FP N)

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Proprietary: NO  
Ingredient: TETRACALCIUM ALUMINOFERRATE; (CAO.AL\*20\*3.FE\*20\*3)  
Ingredient Sequence Number: 04  
NIOSH (RTECS) Number: 1004125TA

CAS Number: 12068-35-8  
OSHA PEL: N/K (FP N)  
ACGIH TLV: N/K (FP N)

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Proprietary: NO  
Ingredient: SULFURIC ACID, CALCIUM SALT (1:1); (CALCIUM SULFATE)  
Ingredient Sequence Number: 05  
NIOSH (RTECS) Number: WS6920000  
CAS Number: 7778-18-9  
OSHA PEL: 15 MG/M3 TOTAL DUST  
ACGIH TLV: 10 MG/M3 TDUST  
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Proprietary: NO  
Ingredient: TRACE ELEMENTS (TRACES OF CAO, MGO, K\*2SO\*4 AND NA\*2SO\*4 MAY BE PRESENT.)  
Ingredient Sequence Number: 06  
NIOSH (RTECS) Number: 1003044TE  
OSHA PEL: NOT APPLICABLE  
ACGIH TLV: NOT APPLICABLE  
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Physical/Chemical Characteristics

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Appearance And Odor: DRY MIXTURE-GRANULAR TO POWDER. NO DISTINCTIVE ODOR.  
Boiling Point: N/A  
Vapor Pressure (MM Hg/70 F): N/A  
Vapor Density (Air=1): N/A  
Specific Gravity: 2.83  
Evaporation Rate And Ref: N/A  
Solubility In Water: SLIGHT (0.1-1%)  
Percent Volatiles By Volume: N/A  
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Fire and Explosion Hazard Data

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Flash Point: NON-COMBUSTIBLE  
Lower Explosive Limit: N/A  
Upper Explosive Limit: N/A  
Extinguishing Media: MEDIA SUITABLE FOR SURROUNDING FIRE (FP N).  
Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).  
Unusual Fire And Expl Hazrds: NONE.  
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Reactivity Data

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Stability: YES  
Cond To Avoid (Stability): KEEP DRY UNTIL USED.  
Materials To Avoid: NONE  
Hazardous Decomp Products: NONE  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NOT RELEVANT  
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Health Hazard Data

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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.  
Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: NO  
Route Of Entry - Ingestion: NO  
Health Haz Acute And Chronic: ACUTE:WET CEMENT, IN PLASTIC CONCRETE, CAN

DRY THE SKIN AND CAUSE ALKALI BURNS. CEMENT DUST CAN IRRITATE THE EYES AND UPPER RESPIRATORY SYSTEM. CHRONIC: CEMENT DUST CAN CAUSE INFLAMMATION OF THE LINING TISSUE OF THE INTERIOR OF THE NOSE AND INFLAMMATION OF THE CORNEA. HYPERSENSITIVE INDIVIDUALS MAY (EFTS OF OVEREXP)

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT RELEVANT

Signs/Symptoms Of Overexp: HLTH HAZ:DEVELOP AN ALLERGIC DERMATITIS.

(CEMENT MAY CONTAIN TRACES OF CHROMIUM).

Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.

REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE OXYGEN/ARTIFICIAL RESPIRATION)

(FP N). SKIN: WASH AFFECTED AREAS WITH SOAP AND WATER. EYES: FLUSH

IMMEDIATELY AND REPEATEDLY WITH WATER FOR AT LEAST 15 MINUTES AND PROMPTLY

CONSULT MD.

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Precautions for Safe Handling and Use  
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Steps If Matl Released/Spill: USE DRY CLEAN UP METHODS THAT DO NOT DISPERSE THE DUST INTO THE AIR. AVOID BREATHING THE DUST. NO EMERGENCY PROCEDURES ARE REQUIRED.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS (FP N). MATERIAL CAN BE RETURNED TO CONTAINER FOR LATER USE, OR IT CAN BE DISPOSED OF AS COMMON WASTE.

Precautions-Handling/Storing: NONE.

Other Precautions: NONE.

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Control Measures  
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Respiratory Protection: IN DUSTY ENVIRONMENTS, THE USE OF A NIOSH/MSHA APPROVED RESPIRATOR IS RECOMMENDED.

Ventilation: LOCAL EXHAUST CAN BE USED, IF NECESSARY, TO CONTROL AIR BORNE DUST LEVELS.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: ANSI APPRVD CHEM SAFETY GOGGLES (FP N).

Other Protective Equipment: EMER EYE WASH & DELUGE SHOWER (FP N). USE OF BARRIER CREAMS, GLOVES, BOOTS & CLTHG TO PROTECT SKIN FROM PRLNG (SUPDAT)

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Suppl. Safety & Health Data: OTHER PROT EQUIP:CNTCT W/WET CEMENT IN PLASTIC CONCRETE, MORTAR, ALUMINUM OR OTHER GROUTS IS RECOMMENDED. IMMED AFTER WORKING W/CEMENT, WORKERS SHOULD SHOWER W/SOAP & WATER. PRECAUTIONS MUST BE OBSERVED BECAUSE CEMENT BURNS OCCUR W/LITTLE WARNING. LITTLE HEAT IS SENSED.

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Transportation Data  
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Disposal Data  
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Label Data  
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Label Required: YES

Technical Review Date: 13SEP93

Label Date: 26AUG93

Label Status: G

Common Name: SUPER MIX CONCRETE MIX

Chronic Hazard: YES

Signal Word: CAUTION!

Acute Health Hazard-Slight: X

Contact Hazard-Slight: X

Fire Hazard-None: X

Reactivity Hazard-None: X

Special Hazard Precautions: ACUTE:WET CEMENT, IN PLASTIC CONCRETE, CAN DRY THE SKIN AND CAUSE ALKALI BURNS. CEMENT DUST CAN IRRITATE THE EYES AND UPPER RESPIRATORY SYSTEM. CHRONIC: CEMENT DUST CAN CAUSE INFLAMMATION OF THE LINING TISSUE OF THE INTERIOR OF THE NOSE AND INFLAMMATION OF THE CORNEA. HYPERSENSITIVE INDIVIDUALS MAY DEVELOP AN ALLERGIC DERMATITIS.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

Label Name: RIVERTON CORP

Label P.O. Box: 300

Label City: RIVERTON

Label State: VA

Label Zip Code: 22681

Label Country: US

Label Emergency Number: 703-635-4131