

LONE STAR INDUSTRIES INC -- PORTLAND CEMENT

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MSDS Safety Information
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FSC: 5610
NIIN: 00-242-3792
MSDS Date: 08/10/1994
MSDS Num: CHKFN
Product ID: PORTLAND CEMENT
MFN: 01
Responsible Party
Cage: LONES
Name: LONE STAR INDUSTRIES INC
Address: 8902 VINCENNES CIRCLE SUITE A
Box: 681250
City:
INDIANAPOLIS IN 46268-1250
Info Phone Number: 800-782-7236
Emergency Phone Number: 317-653-6766
Published: Y

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Contractor Summary
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Cage: LONES
Name: LONE STAR INDUSTRIES INC
Box: 681250
City: INDIANAPOLIS IN 46268-1250
Phone: 713-875-5005
Cage: LSTAR
Name: LONE STAR INDUSTRIES INC
Address: UNKNOWN
Box: UNKNOWN
City: UNKNOWN NK 00000
Phone: UNKNOWN

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Item Description Information
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Item Manager: GSA
Item Name: CEMENT,PORTLAND
Unit of Issue: BG
Quantitative Expression: 00000000094LB
UI Container Qty: 0

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Ingredients
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Cas: 12168-85-3
Name: TRICALCIUM SILICATE; (3CAO.SIO*2)
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Cas: 10034-77-2
Name:

DICALCIUM SILICATE; (2CAO.SIO*2)

OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

Cas: 12042-78-3

Name: TRICALCIUM ALUMINATE; (3CAO.AL*2O*3)

OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

Cas: 12068-35-8

Name: TETRACALCIUM ALUMINOFERRATE; (CALCIUM ALUMINOFERRITE, A SOLID SOLUTION)

OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

Cas: 13397-24-5

RTECS #: MG2360000

Name: GYPSUM; (CASO*4-2H*2O)

OSHA PEL: N/K (FP N)

ACGIH

TLV: N/K (FP N)

Name: HYDRATED LIME

OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

Cas: 1305-78-8

RTECS #: EW3100000

Name: CALCIUM OXIDE; (CAO)

OSHA PEL: 5 MG/M3

ACGIH TLV: 2 MG/M3

Cas: 1309-48-4

RTECS #: OM3850000

Name: MAGNESIUM OXIDE; (MGO)

OSHA PEL: 15 MG/M3 PARTICULATE

ACGIH TLV: 10 MG/M3 FUME

Cas: 7757-82-6

RTECS #: WE1650000

Name: SODIUM SULFATE; (NA*2SO*4)

OSHA PEL: N/K

(FP N)
ACGIH TLV: N/K (FP N)

Cas: 7778-80-5
RTECS #: TT5900000
Name: POTASSIUM SULFATE; (K*2SO*4)
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Name: PORTLAND CEMENT MAY CONTAIN INGREDIENT 12 - 14.
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Name: INSOLUBLE MATTER; (INSOLUBLE RESIDUE)
% Wt: 0.75
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Cas: 60676-86-0
RTECS #: VV7328000
Name: S
ILICA, CRYSTALLINE-FUSED; (FREE CRYSTALLINE SILICA)
% Wt: 0.1
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Cas: 7440-47-3
RTECS #: GB4200000
Name: CHROMIUM (SARA 313) (CERCLA)
% Wt: TRACE
OSHA PEL: 1 MG/M3
ACGIH TLV: 0.5 MG/M3
EPA Rpt Qty: 1 LB
DOT Rpt Qty: 1 LB

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Health Hazards Data
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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - In

halation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: YES

OSHA: NO

Effects of Exposure: ACUTE:WET PORTLAND CEMENT LIME BLEND, ESPECIALLY AS
INGREDIENT IN PLASTIC (UNHARDENED) CONCRETE, MORTAR OR SLURRIES, CAN DRY SKIN
AND CAUSE SEVERE ALKALI BURNS. PORTLAND/LIME DUST CAN IRRITATE EYES AN D
UPPER RESPIRATORY SYSTEM. CHRONIC:PORTLAND CEMENT LIME BLEND DUST CAN CAUSE
INFLAMMATION OF LINING (EFTS OF OVEREXP)

Explanation Of Carcinogenicity: CRYSTALLINE SILICA-FUSED:IARC

MONOGRAPHS,

SUPPLEMENT, VOL 7, PG 341, 1987:GROUP 2A.

Signs And Symptions Of Overexposure: HLTH HAZ:TISSUE OF INTERIOR OF NOSE AND INFLAMMATION OF CORNEA. INDIVIDUALS WHO ARE ALLERGIC TO CHROMIUM MAY DEVELOP AN ALLERGIC DERMATITIS. FREE CRYSTALLINE SILICA CAN CAUSE CANCER. EXPOSURE TO PORTL AND/LIME CEMENT CAN AFFECT THE SKIN, EYES AND MUCOUS MEMBRANES.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: INGEST:CALL MD IMMEDIATELY (FP N). INHAL:REMOVE TO FRESH AIR.

SUPPORT BREATHING (GIVE O*2/ARTF RESP) (FP N). EYES:IRRIGATE (FLOOD) IMMEDIATELY & REPEATEDLY W/CLEAN WATER FOR AT LEAST 15 MINUTES. GET P ROMPT MEDICAL ATTENTION. SKIN:WASH EXPOSED AREAS W/SOAP & WATER. APPLY STERILE DRESSINGS. GET PROMPT MEDICAL ATTENTION.

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Handling and Disposal
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Spill Release Procedures: IF PORTLAND CEMENT LIME BLEND IS SPILLED, IT CAN BE CLEAN ED UP USING DRY METHODS THAT DO NOT DISPERSE DUST INTO THE AIR. AVOID BREATHING DUST. EMERGENCY PROCEDURES ARE NOT REQUIRED.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL REGULATIONS (FP N). PORTLAND CEMENT LIME BLEND CAN BE TREATED AS A COMMON WASTE FOR DISPOSAL, OR RETURNED TO CONTAINER FOR LATER USE IF IT IS NOT CONTAMIN ATED OR WET.

Handling And Storage Precautions: NONE SPECIFIED BY MANUFACTURER.

Other P recautions: NONE SPECIFIED BY MANUFACTURER.

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Fire and Explosion Hazard Information
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Extinguishing Media: MEDIA SUITABLE FOR SURROUNDING FIRE (FP N).

Fire Fighting Procedures: USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard: PORTLAND CEMENT LIME BLEND IS NON-COMBUSTIBLE & NOT EXPLOSIVE. THEREFORE THERE ARE NO FLAMMABLE OR EXPLOSIVE LI MITS NOR UNUSUAL FIRE & EXPLOSION HAZARDS.

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

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

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS (FP N).

Other Protective Equipment: ANSI

APPROVED EYE WASH FOUNTAIN & DELUGE SHOWER (FP
N). USE OF BARRIER CREAMS, BOOTS & CLTHG TO PROT SKIN FROM (SUPDAT)
Work Hygienic Practices: FOLLOWING WORK W/PORTLAND CEMENT LIME BLEND, WORKERS
SHOULD SHOWER W/SOAP & WATER.
Supplemental Safety and Health: MATLS TO AVOID:REACT IN WET MORTAR OR CONCRETE,
LIBERATING HYDROGEN GAS. OTHER PROT EQUIP:CONTACT W/WET PORTLAND CEMENT IS
RECOMMENDED.

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Physical/Chemical Properties
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Spec Gravity: 2.98-3.05
Solubility in Water: SLIGHT (0.1-1%)
Appearance and Odor: GRAY COLORED POWDER W/NO ODOR.
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Reactivity Data
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Stability Indicator: YES
Stability Condition To Avoid: KEEP PORTLAND CEMENT LIME BLEND DRY UNTIL USED TO
PRESERVE PRODUCT UTILITY.
Materials To Avoid: PORTLAND CEMENT LIME BLEND IS INCOMPAT W/ALUMINUM POWDER &
OTH
ER ALKALI & ALKALINE EARTH ELEMENTS WHICH CAN (SUPP DATA)
Hazardous Decomposition Products: HYDROGEN GAS.
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: NOT RELEVANT
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Toxicological Information
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Ecological Information
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MSDS Transport Information
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Regulatory Information
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Other Information
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Transportation Information
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Responsible Party Cage: LONES
Trans ID NO: 59906
Product ID: PORTLAND CEMENT
MSDS Prepared Date: 08/10/1994
Review Date: 10/19/1998
MFN: 1
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: BG
Container QTY: 0

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Detail DOT Information
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DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail IMO Information
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IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
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Detail IATA Information
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IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail AFI Information
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AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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=====
HAZCOM Label
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Product ID: PORTLAND CEMENT
Cage: LONES
Assigned IND: Y
Company Name: LONE STAR INDUSTRIES INC
PO Box: 681250
City: INDIANAPOLIS IN
Zipcode: 46268-1250
Health Emergency Phone: 317-653-6766
Label Required IND: Y
Date Of Label Review: 07/01/1998

Status Code: C

Label Date: 07/01/1998

Origination

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: WARNING

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Moderate

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: ACUTE:WET PORTLAND CEMENT LIME BLEND, ESPECIALLY AS INGREDIENT IN PLASTIC (UNHARDENED) CONCRETE, MORTAR OR SLURRIES, CAN DRY SKIN AND CAUSE SEVERE ALKALI BURNS. PORTLAND/LIME DUST CAN IRRITATE EYES AND

UPPER RESPIRATORY SYSTEM. CHRONIC:CANCER HAZARD. CONTAINS CRYSTALLINE SILICA WHICH IS LISTED AS AN ANIMAL LUNG CARCINOGEN (FP N). PORTLAND CEMENT LIME BLEND DUST CAN CAUSE INFLAMMATION OF LINING TISSUE OF INTERIOR OF NOSE AND INFLAMMATION OF CORNEA. MAY CAUSE ALLERGIC DERMATITIS.

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