

CERAC INC -- ZIRCONIUM METAL, POWDER

MSDS Safety Information

FSC: 6810
MSDS Date: 10/14/1993
MSDS Num: CBCTW
LIIN: 00N065318
Product ID: ZIRCONIUM METAL, POWDER
MFN: 01
Responsible Party
Cage: FO994
Name: CERAC INC
Address: 1316 WEST ST PAUL AVE
City: MILWAUKEE WI 53233
Info Phone Number: 414-289-9800
Emergency Phone Number: 800-424-9300 (CHEMTREC)
Published: Y

Contractor Summary

Cage: FO994
Name: CERAC INC
Address: 407 NO 13TH ST
Box: 1178
City: MILWAUKEE WI 53201
Phone: (414) 289-9800
Cage: 67027
Name: CERAC, INCORPORATED
Address: 407-N,13TH STREET
Box: 1178
City: MILWAUKEE WI 53201
Phone: 414-289-9800

Ingredients

Cas: 7440-67-7
RTECS #: ZH7070000
Name: ZIRCONIUM
% Wt: 100
OSHA PEL: 5 MG/M3
ACGIH TLV: 5 MG/M3/10 STEL

Name: VENT: <9 MICRONS HANDLE & STORE UNDER 30% WATER. >10 MICRONS BUT <250 MICRONS HANDLE & STORE UNDER ARGON.

Name: HYGIENE PRACT: USE GOOD HOUSEKEEPING & SANITATION PRACTICES. DO NOT USE TOBACCO OR FOOD IN WORK AREA. WASH

Name: ING 3: THOROUGHLY BEFORE EATING AND SMOKING. DO NOT BLOW DUST OFF CLOTHING OR SKIN WITH COMPRESSED AIR.

Health Hazards Data

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: TO BEST OF MFR KNOWLEDGE, PHYSICAL & TOXICOLOGICAL PROPERTIES OF ZIRCONIUM HAVE NOT BEEN THORO INVESTIGATED & RECORDED. ZIRCONIUM CMPDS ARE NOT IMPORTANT INDUS POIS. MOST ZIRCONIUM CMPDS IN COMMON USE ARE INSOL & CONSIDERED INERT. PULM GRAN ULOMA IN ZIRCONIUM WORKERS

HAS BEEN REPORTED. INHAL: ACUTE: (EFTS OF OVEREXP)
 Explanation Of Carcinogenicity: NOT RELEVANT.
 Signs And Symptions Of Overexposure: HLTH HAZ: MAY CAUSE IRRIT TO RESP TRACT,
 MUC MEMB/NOSE & THROAT, RED, DRY THROAT, COUGHING, SNEEZING & DFCLT
 BRTHG. INGEST: MAY CAUSE IRRIT TO GI TRACT, BURNING SENSATION. SKIN: MAY
 CAUSE IRRIT, REDNESS & ITCH. EYES: MAY CAUSE IRRIT, REDNES S, ITCH &
 WATERING. CHRONIC: SKIN: MAY CAUSE SKIN GRANULOMAS.
 Medical Cond Aggravated By Exposure: PREEXISTING RESPIRATORY DISORDERS.
 First Aid: INHAL:REMOVE TO FRESH AIR. KEEP WARM & QUIET. GIVE OXYGEN IF
 BRTHG IS DFCLT & SEEK MD ATTN. INGEST:GIVE 1-2 GLASSES OF MILK/WATER
 & INDUCE VOMIT. SEEK MD ATTN. NEVER INDUCE VOMIT/GIVE ANYTHING BY MOUTH
 TO UNCON PERS. SKIN:REMOVE CONTAM CLTH G. BRUSH MATL OFF SKIN. WASH SKIN
 W/MILD SOAP & WATER. SEEK MD ATTN. EYES:FLUSH W/LUKEWARM WATER, LIFTING
 UPPER & LOWER LIDS, FOR AT LEAST 15 MIN. SEEK MD ATTN.

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 Handling and Disposal
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Spill Release Procedures: WEAR NIOSH/MSHA APPRVD RESP PROT & PROT EQUIP.
 ISOLATE SPILL AREA & PROVIDE VENT. VACUUM UP SPILL USING HIGH EFFICIENCY
 PARTICULATE ABSOLUTE (HEPA) AIR FILTER & PLACE IN CLSD CONTR FOR PROPER
 DISP. TAKE CARE NOT TO RAISE DUST.
 Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
 Waste Disposal Methods: DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL
 REGULATIONS.
 Handling And Storage Precautions: STORE IN COOL, DRY AREA. STORE IN TIGHTLY
 SEALED CONTAINER.
 Other Precautions: IF PARTICLE SIZE IS LESS THAN 9 MICRONS HANDLE AND
 STOREUNDER 30% WATER. IF PARTICLE SIZE IS GREATER THAN 9 MICRONS BUT LESS
 THAN250 MICRONS HANDLE AND STORE UNDER ARGON.

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 Fire and Explosion Hazard Information
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Extinguishing Media: USE CLASS D OR OTHER METAL EXTINGUISHER AGENT. DO NOT USE
 WATER, CARBON DIOXIDE OR HALOCARBON EXTINGUISHING AGENT.
 Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE
 EQUIPMENT (FP N). FUMES FROM FIRE ARE HAZARDOUS. ISOLATE RUNOFF TO PREVENT
 ENVIRONMENTAL POLLUTION.
 Unusual Fire/Explosion Hazard: SPONT COMBUST IN DRY POWDER FORM. ZIRCONIUM
 METAL IS VERY DANGEROUS FIRE HAZ IN FORM OF DUST WHEN EXPOS TO HEAT, FLAME/BY
 CHEM RXN W/OXIDIZING AGENTS. (SUP DAT)

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 Control Measures
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Respiratory Protection: USE NIOSH/MSHA APPROVED DUST RESPIRATOR.
 Ventilation: LOCAL EXHAUST TO MAINTAIN CONCENTRATIONS AT OR BELOW TLV, PEL.
 MECHANICAL (GENERAL) NOT RECOMMENDED. SPECIAL:
 Protective Gloves: RUBBER GLOVES.
 Eye Protection: ANSI APPRVD CHEM WORKERS GOGGS (FP N).
 Other Protective Equipment: PROTECTIVE GEAR SUITABLE TO PREVENT CONTAMINATION.
 EMER EYEWASH & DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N).
 Work Hygienic Practices: WASH THORO AFTER HNDLG. IMPLEMENT ENGINEERING & WORK
 PRACT CTLs TO REDUCE & MAINTAIN CONC OF EXPOS AT LOW LEVELS.
 Supplemental Safety and Health: EXPLO HAZ: MAY BE EXPLO HAZ IN FORM OF DUST BY
 CHEM RXN W/AIR, ALKALI HYDROXIDES, ALKALI METAL CHROMATES, DICHROMATES,
 MOLYBDATES, SULFATES, TUNGSTATES, BORAX, CCL*4, COPPER OXIDE, LEAD, LEAD
 OXIDE, PHOSPHOROUS, KCLO*3, KNO*3, NITRYLFLUORID E. MAY BE EXTREMELY
 SENSITIVE TO SHOCK & STATIC ELEC CAUSE SPONT IGNITION.

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 Physical/Chemical Properties
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B.P. Text: 7911F,4377C
 M.P/F.P Text: 3366F,1852C
 Spec Gravity: 6.506 (H*20=1)
 Solubility in Water: INSOLUBLE
 Appearance and Odor: SILVER-GRAY METALLIC POWDER, NO ODOR
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Reactivity Data

Stability Indicator: YES
Stability Condition To Avoid: NONE.
Materials To Avoid: STRONG OXIDIZING AGENTS AND ACIDS.
Hazardous Decomposition Products: NONE RECORDED.
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: NOT RELEVANT.

Toxicological Information

Ecological Information

MSDS Transport Information

Regulatory Information

Other Information

HAZCOM Label

Product ID: ZIRCONIUM METAL, POWDER
Cage: FO994
Assigned IND: Y
Company Name: CERAC INC
Street: 407 NO 13TH ST
PO Box: 1178
City: MILWAUKEE WI
Zipcode: 53201
Health Emergency Phone: 800-424-9300 (CHEMTREC)
Label Required IND: Y
Date Of Label Review: 12/16/1998
Status Code: C
Label Date: 12/16/1998
Origination Code: G

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REDNESS, ITCH & WATERING. CHRONIC: SKIN: MAY CAUSE SKIN GRANULOMAS.

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