

CERAC INC -- ZIRCONIUM CARBIDE, POWDER <10 MICRONS

MSDS Safety Information

FSC: 5350
MSDS Date: 09/27/1994
MSDS Num: BYDVH
LIIN: 00N062243
Product ID: ZIRCONIUM CARBIDE, POWDER <10 MICRONS
MFN: 01
Responsible Party
Cage: FO994
Name: CERAC INC
Address: 1316 W ST PAUL AVENUE
City: MILWAUKEE WI 53233
Info Phone Number: 414-289-9800
Emergency Phone Number: 800-424-9300(CHEMTREC)
Preparer's Name: THOMAS J SCHMIT
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

Name: NO INGREDIENT FOR THIS FORMULATION_INGREDIENT

Health Hazards Data

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: TO BEST OF OUR KNOWLEDGE THE CHEM, PHYSICAL & TOX
PROPERTIES OF ZIRCONIUM CARBIDE HAVE NOT BEEN THORO INVESTIGATED &
RECORDED. ZIRCONIUM CMPDS ARE NOT AN IMPORTANT INDUSTRIAL POISON. MOST
ZIRCONIUM CMPDS IN COMMON USE ARE INSOL & CONSIDERED INERT. PULM
GRANULOMS IN ZIRCONIUM WORKERS HAS BEEN REPORTED.(EFTS OF OVEREXP)

Explanation Of Carcinogenicity: NOT RELEVANT.

Signs And Symptions Of Overexposure: HLTH HAZ:ACUTE:INHAL: MAY CAUSE IRRIT TO
RESP TRACT, MUC MEMB/NOSE & THROAT. MAY CAUSE RED, DRY THROAT, COUGHING,
SNEEZING & DFCLTY BRTHG. INGEST: MAY CAUSE IRRIT TO GI TRACT, BURNING
SENSATION. SKIN/EYE: MAY CAUSE IRRIT, REDNESS, ITCHING & WATERING.
CHRONIC: SKIN: MAY CAUSE SKIN GRANULOMAS. TARGET ORGANS: MAY (SUPDAT)

Medical Cond Aggravated By Exposure: PRE-EXISTING RESPIRATORY DISORDERS.

First Aid: INHAL: REMOVE VICTIM TO FRESH AIR. KEEP WARM & QUIET; GIVE O*2
IF BRTHG IS DFCLT & SEEK MED ATTN. INGEST: GIVE 1-2 GLASSES OF MILK/WATER
& INDUCE VOMIT; SEEK MED ATTN. NEVER INDUCE VOMIT/GIVE ANYTHING BY MOUTH
TO AN UNCON PERS. SKIN: REMOVE CONTAMD CLTHG; BRUSH MATL OFF SKIN; WASH
AFFECTED AREA W/MILD SOAP & WATER; SEEK MED ATTN. EYE: FLUSH W/LUKEWARM

WATER, LIFTING UPPER & LOWER EYELIDS(SUPDAT)

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Handling and Disposal
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Spill Release Procedures: WEAR APPROP RESP & PROT EQUIP SPECIFIED. ISOLATE SPILL AREA & PROVIDE VENT. VACUUM UP SPILL USING HIGH EFFICIENCY PARTICULATE ABSOLUTE (HEPA) AIR FILTER & PLACE IN CLSD CNTNR 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: HANDLE IN A CONTROLLED ATMOSPHERE. STORE IN COOL, DRY AREA. STORE IN TIGHTLY SEALED CONTAINER.

Other Precautions: IMPLEMENT ENGINEERING & WORK PRACTICE CONTROLS TO REDUCE& MAINTAIN CONC OF EXPOS AT LOW LEVELS.DO NOT USE TOBACCO OR FOOD IN WORKAREA. DO NOT BLOW DUST OFF CLOTHING OR SKIN WITH COMPRESSED AIR.

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Fire and Explosion Hazard Information
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Extinguishing Media: CLASS D OR OTHER METAL EXTINGUISHING AGENT. DO NOT USE WATER.

Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT(FP N). FUMES FROM FIRE ARE HAZARDOUS. ISOLATE RUNOFF TO PVNT ENVIRON POLLUTION.

Unusual Fire/Explosion Hazard: FLAMMABLE IN THE FORM OF DUST OR POWDER.

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Control Measures
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Respiratory Protection: NIOSH/MSHA APPROVED DUST RESPIRATOR.

Ventilation: LOC EXHST: TO MAINTAIN CONC AT/<TLV, PEL. SPECIAL: HANDLE IN ENCLOSED, CONTROLLED ENVIRON. MECH NOT RECOM.

Protective Gloves: IMPERVIOUS RUBBER GLOVES.

Eye Protection: ANSI APPRVD SAFETY GLASSES(FP N).

Other Protective Equipment: EMERGENCY EYEWASH & DELUGE SHOWER MEETING ANSI DESIGN CRITERIA(FP N). PROT GEAR SUITABLE TO PREVENT CONTAMINATION.

Work Hygienic Practices: USE GOOD HOUSEKEEPING & SANITATION PRACTICES. WASH THORO BEFORE EATING & SMOKING & AFTER HANDLING.

Supplemental Safety and Health: EFTS OF OVEREXP: AFFECT RESPIRATORY SYSTEM AND SKIN. FIRST AID PROC: FOR AT LEAST 15 MINS. SEEK MED ATTN.

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Physical/Chemical Properties
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B.P. Text: 9212F,5100C

M.P/F.P Text: 6404F,3540C

Spec Gravity: 7.73(H*20=1)

Solubility in Water: INSOLUBLE

Appearance and Odor: GREY METALLIC POWDER W/NO ODOR.

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: NONE.

Materials To Avoid: NONE RECORDED.

Hazardous Decomposition Products: NONE RECORDED.

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

Other Information

HAZCOM Label

Product ID: ZIRCONIUM CARBIDE, POWDER <10 MICRONS

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: 07/31/1995

Status Code: C

Label Date: 07/31/1995

Origination Code: G

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: YES

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: Severe

Reactivity Hazard: None

Hazard And Precautions: FLAMMABLE SOLID: FLAMMABLE IN FORM OF DUST/POWDER.

ACUTE: TO BEST OF OUR KNOWLEDGE THE CHEMICAL, PHYSICAL & TOX PROPERTIES OF ZIRCONIUM CARBIDE HAVE NOT BEEN THORO INVESTIGATED & RECORDED.

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CHRONIC: MAY CAUSE SKIN GRANULOMAS. TARGET ORGANS: MAY AFFECT RESP SYSTEM & SKIN.

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