

CERRO METAL PRODUCTS DIV THE MARMON GROUP INC -- FUSIBLE ALLOYS CERROBEND 5000-7
-- 9650-01-372-9352

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===== Product Identification =====

Product ID:FUSIBLE ALLOYS CERROBEND 5000-7

MSDS Date:04/18/1990

FSC:9650

NIIN:01-372-9352

MSDS Number: BWPHS

=== Responsible Party ===

Company Name:CERRO METAL PRODUCTS DIV THE MARMON GROUP INC

Box:388

City:BELLEFONTE

State:PA

ZIP:16823

Country:US

Info Phone Num:8

14-355-6370

Emergency Phone Num:814-355-6370

Preparer's Name:TAMARA C. ROYER

CAGE:78764

=== Contractor Identification ===

Company Name:CERRO METAL PRODUCTS DIV THE MARMON GROUP INC

Box:388

City:BELLEFONTE

State:PA

ZIP:16823-0388

Country:US

Phone:814-355-6217

CAGE:78764

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===== Composition/Information on Ingredients =====

Ingred Name:BISMUTH

CAS:7440-69-9

RTECS #:EB2600000

Fraction by Wt: 30%

Other REC Limits:NONE RECOMMENDED

Ingred Name:CADMIUM (SARA 313) (CERCLA)

CAS:7440-43-

9

RTECS #:EU9800000
Fraction by Wt: 10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.2 MG/M3 DUST; Z-2
ACGIH TLV:0.01 MG/M3 DUST;9495
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:LEAD (SARA 313) (CERCLA)
CAS:7439-92-1
RTECS #:OF7525000
Fraction by Wt: 26.7%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1025
ACGIH TLV:0.15MG/M3 DUST; 9495
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
Fraction by Wt: 13.3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:
2 MG/M3
ACGIH TLV:2 MG/M3; 9495

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===== Hazards Identification =====
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LD50 LC50 Mixture:ORAL LD50 (RAT) IS NOT RELEVANT.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:TARGET ORGANS:LUNGS. ACUTE- METAL
FUMES, OXIDES/DUST GENERATED BY HEATING/GRINDING MAY CAUSE DRYNESS
OF THROAT, NAUSEA, VOMITING, CHILL, HEADACHE, SHORTNESS OF BREATH,
LUNG DISORDER. ALLOY
S CAN BE PRE SENT IN FLUID COMING IN CONTACT
WITH THEM & MAY BE DANGEROUS IF INGESTED. HOT FUMES MAY BURN
EYES/SKIN. CHRONIC- TOXICITY
Explanation of Carcinogenicity:CONTAINS CADMIUM [7440-43-9] WHICH IS
LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.
CONTAINS LEAD.
Effects of Overexposure:ANEMIA, INSOMNIA, WEAKNESS, CONSTIPATION,
NAUSEA, ABDOMINAL PAIN, IRRITATION OF EYES, NOSE, THROAT, SHORTNESS
OF BREATH, CHILLS, BURNS
Medical Cond Aggravated by Exposure:P

PERSONS WITH PRE-EXISTING

RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE WELDING FUMES.

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First Aid Measures
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First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALATION:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. FOR HOT MET AL BURNS, EXPOSED AREA SHOULD BE COOLEDWITH WATER. ORAL:INGESTION OF APPRECIABLE QUANTI TIES OF ALLOY IS UNLIKELY TO OCCUR.

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Fire Fighting Measures
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Flash Point:NONE

Extinguishing Media:THIS ALLOY IS NONCOMBUSTIBLE. TO EXTINGUISH A METAL POWDER FIRE, USE DRY SAND, DRY GRAPHITE OR OTHER CLASS "D" POWDER.

Fire Fighting Procedures:WEAR PROTECTIVE EQUIPMENT AND NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS. NEVER USE WATER AS AN EXTINGUISHING MEDIA IN AREAS NEAR MOLTEN METAL.

Unusual Fire/Explosion Hazard:LEAD MAY EMIT H IGHLY TOXIC FUMES.

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Accidental Release Measures
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Spill Release Procedures:NO SPECIAL PRECAUTIONS ARE REQUIRED FOR SPILLS OF BULK MATERIAL. SCRAP ALLOY CAN BE RECLAIMED FOR REUSE.

Neutralizing Agent:NOT RELEVANT

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Handling and Storage
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Handling and Storage Precautions:KEEP AWAY FROM INCOMPATIBLE MATERIALS. FOOD AND DRINK SHOULD NOT BE CONSUMED IN AREAS WHERE SOLDER MAY BE USED.

Other Precautions:WASH

THOROUGHLY AFTER HANDLING AND BEFORE EATING AND DRINKING. AVOID BREATHING FUMES, VAPORS AND DUSTS. KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY. DO NOT TAKE INTERNALLY.

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Exposure Controls/Personal Protection
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Respiratory Protection:USE NIOSH APPROVED SUPPLIED AIR RESPIRATORY PROTECTION WHEN GRINDING, WELDING, BRAZING OR SOLDERING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:LOCAL

EXHAUST AT THE ARC (OR FLAME), OR BOTH, TO KEEP THE FUMES AND GASES BELOW PEL'S, TLV'S OR STEL'S IN BREATHING ZONE

Protective Gloves:WELDER'S GLOVE

Eye Protection:PROTECTIVE FACE SHIELD

Other Protective Equipment:EYE WASH STATION, APRONS, HATS, ARM & SHOULDER PROTECTION, AS WELL AS DARK SUBSTANTIAL CLOTHING.

Work Hygienic Practices:WEAR HEAD AND BODY PROTECTION WHICH HELP TO PREVENT INJURY FROM RADIATION, SPARKS AND ELECTRICAL SHOCK.

Supplemental Safety and Health

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= Physical/Chemical Properties =====

NRC/State Lic Num:NOT RELEVANT

Melt/Freeze Pt:M.P/F.P Text:158F,70C

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:INSOLUBLE

Appearance and Odor:METALLIC GRAY SOLID - ODORLESS

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:LEAD OXIDE FUME AND/OR LEAD PART

ICULTE, CADMIUM OXIDE MAY BE EVOLVED.

===== Disposal Considerations =====

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. SCRAP OR WASTE SOLDER SHOULD BE RECYCLED OR STORED IN SEALED, DRY CONTAINERS FOR LATER DISPOSAL. DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

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