

PROTECTIVE METAL ALLOYS INC -- ROD WELDING MAGNESIUM FILLER -- 3439-01-050-0973

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Product Identification
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Product ID:ROD WELDING MAGNESIUM FILLER

MSDS Date:06/13/1990

FSC:3439

NIIN:01-050-0973

MSDS Number: BRQRK

=== Responsible Party ===

Company Name:PROTECTIVE METAL ALLOYS INC

Address:8726 PRODUCTION AVE SUITE A

City:SAN DIEGO

State:CA

ZIP:92121

Country:US

Info Phone Num:619-271-1880 61

9-271-1790(FAX)

Emergency Phone Num:619-271-1880 800-PMA-WEAR

CAGE:60597

=== Contractor Identification ===

Company Name:PROTECTIVE METAL ALLOYS INC

Address:8726 PRODUCTION AVE SUITE A

Box:City:SAN DIEGO

State:CA

ZIP:92121

Country:US

Phone:619-271-1880

CAGE:60597

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Composition/Information on Ingredients
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Ingred Name:ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 9.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15MG/M3 DUST/5 FUME

ACGIH TLV:10MG/M3

DUST; 9293

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 2.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 0.15%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:MAGNESIUM METAL
CAS:7439-95-4
RTECS #:OM2100000
Fraction by Wt: >88%
Other REC Limits:NO
NE RECOMMENDED
OSHA PEL:10 MG/M3 FUME MGO
ACGIH TLV:10 MG/M3 FUME MGO

===== Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:THIS MATERIEL IS AN ARTICLE.THE ONLY
HAZARDS ARE FOR THIS ITEM IN MOLTEN OR POWDERED
FORM.EYES:MECHANICAL INJURY.SKIN:(POWDER)MECHANICAL
INJURY;(MOLTEN)SKIN BURNS.NO SKIN ABSORPTION.INGEST:INGESTION O F
L
ARGE AMOUNTS OF MAGNESIUM COULD BE FATAL DUE TO ITS
TOXICITY.INHAL:DUST IRRITATES UPPER RESPIRATORY TRACT.
Explanation of Carcinogenicity:NO DATA.
Effects of Overexposure:IRRITATION FROM POWDER;SKIN BURNS FROM MOLTEN
SLAGS.
Medical Cond Aggravated by Exposure:MATERIEL IN POWDERED FORM MAY
AGGRIVATE PREEXISTING RESPIRATORY AILMENTS.

===== First Aid Measures =====

First Aid:EYES:IRRIGATE WITH WATER FOR 5 MINUTES.SKIN:WASH DUST OFF
WITH WATER.

INGEST:IF LARGE AMOUNTS OF DUST ARE INGESTED,INDUCE VOMITING.CONSULT PHYSICIAN.INHAL:REMOVE TO FRESH AIR.CONSULT PHYSICIAN.NOTE TO PHYSICIAN:THERE IS NO SPECIFIC ANTIDOTE;USE SUPPORTIVE CARE.

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Fire Fighting Measures
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Flash Point:NONE

Extinguishing Media:SMOTHER BURNING MAGNESIUM WITH EXTINGUISHING POWDER(EG.GI,MET-L-X).CONSULT NFPA STANDARDS FOR OTHER EXTINGUISHING MEDIA.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING AP PARATUS AND FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:MAGNESIUM,WHEN HEATED NEAR ITS MELTING POINT,WILL PRODUCE HYDROGEN IF WATER IS APPLIED.

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Accidental Release Measures
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Spill Release Procedures:COLLECT AND REUSE.

Neutralizing Agent:NONE

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Handling and Storage
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Handling and Storage Precautions:STORE IN A DRY AREA,AWAY FROM COMBUSTIBLES.FOR FURTHER INFORMATION,CONSULT NFPA BULLETIN 4 8.

Other Precautions:NONE

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Exposure Controls/Personal Protection
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Respiratory Protection:NOT NEEDED IN NORMAL SERVICE.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:NO SPECIAL REQUIRMENTS

Eye Protection:SAFETY GLASSES;CHEMICAL GOGGLES

Other Protective Equipment:NONE

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health

MSDS DOES NOT REPORT A PART NUMBER OR TRADE NAME;THIS FIELD CONTAINS THE ITEM NAME FROM THE TIR.

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Physical/Chemical Properties
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HCC:N1

Melt/Freeze Pt:M.P/F.P Text:830F,443C

Spec Gravity: 1.82

Appearance and Odor:SOLID;SILVER;NO ODOR

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

ACID AND WATER;MATERIEL IN FINELY DIVIDED FORM WILL PR

ODUCE HYDROGEN.

Stability Condition to Avoid:NOT REPORTED.

Hazardous Decomposition Products:NONE IN NORMAL SERVICE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.

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