

MILLER THERMAL TECHNOLOGIES,INC.,ALLOYS INTL. DIV. -- AI-1058-A  
COPPER-NICKEL-INDIUM-PLASMA SPRAY POWDER -- 3439-01-385-7922

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Product Identification  
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Product ID:AI-1058-A COPPER-NICKEL-INDIUM-PLASMA SPRAY POWDER

MSDS Date:08/01/1991

FSC:3439

NIIN:01-385-7922

MSDS Number: BYFDG

=== Responsible Party ===

Company Name:MILLER THERMAL TECHNOLOGIES,INC.,ALLOYS INTL. DIV.

Address:1901 ELLIS SCH

OOL ROAD

City:BAYTOWN

State:TX

ZIP:77521-1215

Country:US

Info Phone Num:713-426-5535

Emergency Phone Num:713-426-5535

CAGE:06677

=== Contractor Identification ===

Company Name:MILLER THERMAL TECHNOLOGIES,INC.,ALLOYS INTL. DIV.

Address:1901 ELLIS SCHOOL ROAD

Box:City:BAYTOWN

State:TX

ZIP:77521-1215

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Composition/Information on Ingredients  
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Ingred Name:COPPER (SARA 313) (CERCLA)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 59

%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2 MG/M3 FUME; 9495

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:NICKEL (SARA 313) (CERCLA)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 36%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9495

Ingred Name:INDIUM

CAS:7440-74-6

RTECS #:NL1050000

Fraction by Wt: 5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1 MG/M3

on =====

LD50 LC50 Mixture:TLV= 1.0 MG/M3.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:SKIN SENSITIZATION. PER WARNING LABEL  
SUBMITTED W/MSDS:MAY CAUSE ALLERGIC REACTION.

Explanation of Carcinogenicity:PER WARNING LABEL SUBMITTED  
W/MSDS:POSSIBLE CANCER HAZARD.

Effects of Overexposure:SKIN SENSITIZATION.

Medical Cond Aggravated by Exposure:MEDICAL CONDITIONS AGGRAVATED BY  
  
EXPOSURE IS WILSON'S DISEASE.

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

First Aid:DRINK WATER TO INDUCE VOMITING. GET MED ATTN.

===== Fire Fighting Measures =====

Flash Point:NONE

Extinguishing Media:DRY POWDER, DRY SAND, DRY DOLOMITE, DRY GRAPHITE.

Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR SELF-CONTAINED  
BREATHING APPARATUS W/FULL FACE PIECE.

Unusual Fire/Explosion Hazard:THERE IS A MODERATE FIRE & EXPLOSION  
HAZA

RD WHEN THE DUST IS EXPOSED TO HEAT OR FLAME.

===== Accidental Release Measures =====

Spill Release Procedures:SWEEP USING NORMAL HOUSEKEEPING METHODS.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN CLOSED CONTAINERS. AVOID  
PROLONGED SKIN CONTACT, INHALING DUST.

Other Precautions:NONE.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:TYPE HI EPF OR BETTER

IF ABOVE 50MG/M3.

Ventilation:LOCAL VENTILATION TO KEEP DUST CONCENTRATION BELOW 1.0 MG/M3.

Protective Gloves:RECOMMENDED.

Eye Protection:SAF GLASSES IF OPERATION SCATTERS DUST.

Other Protective Equipment:PROTECTIVE WORK CLOTHES.

Work Hygienic Practices:WASH HANDS AFTER HANDLING.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:N1

Vapor Pres:NEGLIGIBLE

Spec Gravity:8.8

Solubility in Water:NONE

Appearance and Odor:BROWN POWDER, ODORLES S.

Percent Volatiles by Volume:NONE

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS & ACIDS, ACETYLENE GAS, MAGNESIUM METAL.

Stability Condition to Avoid:PER MSDS NONE. HOWEVER AVOID GENERATING DUST.

Hazardous Decomposition Products:NONE.

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

Waste Disposal Methods:ORDINARY TRASH IF IN ACCORDANCE WITH LOCAL REGULATIONS.

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