

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

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

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

Country:US

Phone:713-426-5535

CAGE:06677

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

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.

Disclaimer (provided

with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.