

ALPHA METALS -- SOLDER ALLOYS OF PB,SN,AG,BI,SB,& IN -- 3439-01-224-5787

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Product Identification  
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Product ID:SOLDER ALLOYS OF PB,SN,AG,BI,SB,& IN

MSDS Date:08/13/1987

FSC:3439

NIIN:01-224-5787

MSDS Number: BHXZY

=== Responsible Party ===

Company Name:ALPHA METALS

Address:600 ROUTE 440

City:JERSEY CITY

State:NJ

ZIP:07304

Country:US

Info Phone Num:201-434-6778

Emergency Phone Num:201-434-6778

CAGE:96613

=== Contractor Identification ===

Company Name:DEANCO INC

Address:7933 QUEENAIR DR

Box:City:GAITHERSBURG

State:MD

ZIP:20879-4137

Country:US

Phone:301-948-5444

CAGE:9K946

Company Name:FRYS METALS INC (FORMER ALPHA METALS)

Address:600 ROUTE 440

Box:City:JERSEY CITY

State:NJ

ZIP:07304

Country:US

Phone:201-434-6778

CAGE:96613

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

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 35.53%

Other

REC Limits:NONE SPECIFIED  
OSHA PEL:0.05 MG/M3;1910.1025  
ACGIH TLV:0.15 MG/M3;DUST 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:TIN  
CAS:7440-31-5  
RTECS #:XP7320000  
Fraction by Wt: 63.5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9192

Ingred Name:IRON  
CAS:7439-89-6  
RTECS #:NO4565500  
Fraction by Wt: 0.02%  
Other REC Limits:NONE SPECIFIED

Ingred Name:BISMUTH  
CAS:7440-69-9  
RTECS #:EB2600000  
Fraction by Wt: 0.25%  
Other REC Limits:NONE SPECIFIED

Ingred Name:ANTIMONY  
(SARA III)  
CAS:7440-36-0  
RTECS #:CC4025000  
Fraction by Wt: 0.5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.5 MG/M3  
ACGIH TLV:0.5 MG SB/M3; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:COPPER (SARA III)  
CAS:7440-50-8  
RTECS #:GL5325000  
Fraction by Wt: 0.08%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.1MG/M3 FUME/1 DUST  
ACGIH TLV:0.2MG/M3 FUME; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ZINC (SARA III)  
CAS:7440-66-6  
RTECS #:ZG8600000  
Fraction by Wt: 0.005%  
Other REC

Limits:NONE SPECIFIED  
OSHA PEL:10 MG ZNO/M3  
ACGIH TLV:10 MG ZNO/M3; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:ALUMINUM (SARA III)  
CAS:7429-90-5  
RTECS #:BD0330000  
Fraction by Wt: 0.005%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15MG/M3 DUST/5 FUME  
ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:OTHER COMPONENTS (TYPE NOT SPECIFIED)  
Fraction by Wt: 0.08% MX  
Other REC Limits:NONE SPECIFIED

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===== Hazards Identification =====  
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Routes of Entry: Inhalatio  
n:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:PRODUCT PRODUCES THERMAL BURNS ON  
CONTACT DURING THE SOLDERING OPERATION. INHALING FLUX FUMES MAY  
CAUSE PULMONARY EDEMA. CHRONIC INHALATION OF THE METAL FUMES  
ASSOCIATED WITH SOLDERING MAY CAUSE LEA D POISONING.  
Explanation of Carcinogenicity:LEAD AND SOME LEAD COMPOUNDS ARE LISTED.  
SEE INDIVIDUAL REPORTS FOR DETAILS.  
Effects of Overexposure:EYE:IRRITATION, THER  
MAL BURNS. SKIN:THERMAL  
BURNS. INHALED:RESPIRATORY IRRITATION, PULMONARY EDEMA. LEAD  
POISONING. INGESTED:LEAD POISONING.  
Medical Cond Aggravated by Exposure:PEOPLE WITH LEAD OVEREXPOSURE MAY  
BE AT INCREASED RISK.

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===== First Aid Measures =====  
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First Aid:EYE:FLUSH W/WATER 15 MIN. SKIN:NORMAL FIRST AID FOR THERMAL  
BURNS. INHALED:REMOVE TO FRESH AIR. INGESTED:AN UNLIKELY  
EXPOSURE. IF INGESTION OCCURS, GET IMMEDIATE MEDICAL CARE. MONI

TOR  
BLOOD LEAD CONTENT.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS (METAL OXIDE FUME).

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

Spill Release Procedures:ALLOW TO COOL AND PICK OR SWEEP UP.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:NONE

Other Precautions:SEE "SAFETY IN SOLDERING" BY LEAD INDUSTRIES ASSOC. 292 MADISON AVE NEW YORK,NY 10017.

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

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Respiratory Protection:NOT NORMALLY REQUIRED. USE NIOSH/MSHA APPROVED RESPIRATOR FOR METAL/METAL OXIDE FUME IF PEL/TLV IS EXCEEDED.

Ventilation:USE LOCAL EXHAUST TO KEEP EXPOSURES BELOW PEL/TLV

Protective Gloves:TO PROTECT FROM THERMAL BURNS

Eye Protection:SAFETY GLASSES OR SPLASH GOGGLES

Other Protective Equipment:AS NEEDED TO PROTECT FROM THERMAL BURNS.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICES. AVOID ANY POSSIBILITY OF INGESTION OR INHALATION OF LEAD FUMES.

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Supplemental Safety and Health

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

HCC:N1

Solubility in Water:NEGLIGIBLE

Appearance and Odor:SILVER GRAY SOFT METAL WIRE, NO ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, ACIDS, HYDROGEN PEROXIDE

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:METAL OXIDE FUMES OF LEAD, ANTIMONY

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

erations =====

Waste Disposal Methods:DISPOSE I/A/W FEDERAL,STATE,LOCAL REGULATIONS.  
RECOVER METAL IF POSSIBLE, OR LANDFILL.

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