

SOLDER ALLOYS OF PB,SN,AG,BI,SB,& IN

MSDS Number

BSFPC

National Stock Number

3439-00-499-5740

Product Name

SOLDER ALLOYS OF PB,SN,AG,BI,SB,& IN

Manufacturer

ALPHA METALS

Product Identification

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

MSDS Date: 08/13/1987

FSC: 3439

NIIN: 00-499-5740

MSDS Number: BSFPC

Responsible Party

ALPHA METALS

600 ROUTE 440

JERSEY CITY , NJ 07304

US

Emergency Phone: 201-434-6778

Info Phone: 201-434-6778

Cage: 96613

Contractor

FRYS METALS INC (FORMER ALPHA METALS)

JERSEY CITY, NJ 07304

US

201-434-6778

Cage: 96613

Ingredients

LEAD (SARA III)

CAS: 7439-92-1

RTECS: OF7525000

OSHA PEL 0.05 MG/M3; 1910.1025

ACGIH TLV: 0.15 MG/M3; DUST 9192

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

TIN

CAS: 7440-31-5

RTECS: XP7320000

OSHA PEL 2 MG/M3

ACGIH TLV: 2 MG/M3; 9192

SILVER (SARA III)

CAS: 7440-22-4

RTECS: VW3500000

OSHA PEL0.01 MG/M3

ACGIH TLV: 0.1 MG/M3; 9394

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

BISMUTH

CAS: 7440-69-9

RTECS: EB2600000

ANTIMONY (SARA III)

CAS: 7440-36-0

RTECS: CC4025000

OSHA PEL0.5 MG/M3

ACGIH TLV: 0.5 MG SB/M3; 9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

INDIUM

CAS: 7440-74-6

RTECS: NL1050000

OSHA PEL0.1 MG/M3

ACGIH TLV: 0.1 MG/M3; 9394

Hazards

Routes of Entry: Inhalation: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 LEAD POISONING.
Explanation of Carcinogenicity:LEAD AND SOME LEAD COMPOUNDS ARE LISTED. SEE INDIVIDUAL REPORTS FOR DETAILS.
Effects of Overexposure:EYE:IRRITATION,THERMAL 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.

First Aid

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. MONITOR BLOOD LEAD CONTE NT.

Fire Fighting

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

Spill Release Procedures:ALLOW TO COOL AND PICK OR SWEEP UP.
Neutralizing Agent:NONE

Handling

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.
Other Precautions:SEE "SAFETY IN SOLDERING" BY LEAD INDUSTRIES ASSOC.
292 MADISON AVE NEW YORK,NY 10017.

Exposure Controls

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.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

Chemical Properties

HCC:N1
Solubility in Water:NEGLIGIBLE
Appearance and Odor:SILVER GRAY SOFT METAL WIRE, NO ODOR

Stability

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

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

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