

## **SOLDER ALLOYS**

### **MSDS Number**

BBBCZ

### **National Stock Number**

3439-00B010041

### **Product Name**

SOLDER ALLOYS

### **Manufacturer**

ALPHA METALS

### **Product Identification**

Product ID: SOLDER ALLOYS

MSDS Date: 10/07/1986

FSC: 3439

NIIN: 00B010041

MSDS Number: BBBCZ

### **Responsible Party**

ALPHA METALS

600 ROUTE 440

JERSEY CITY , NJ 07304

US

Emergency Phone: CHEMTREC 1-800-424-9300

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**

BISMUTH

CAS: 7440-69-9

RTECS: EB2600000

ANTIMONY (SARA III)

CAS: 7440-36-0

RTECS: CC4025000

OSHA PEL 0.5 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; 9192

SILVER (SARA III)

CAS: 7440-22-4

RTECS: VW3500000

OSHA PEL0.01 MG/M3

ACGIH TLV: 0.1 MG/M3; 9192

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

LEAD (SARA III)

CAS: 7439-92-1

RTECS: OF7525000

OSHA PEL0.05 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 PEL2 MG/M3

ACGIH TLV: 2 MG/M3; 9192

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:INHALATION:EXCESSIVE OVEREXPOSURE MAY RESULT IN AN ACUTE OR CHRONIC ILLNESS. IF SYMPTOMS ARE PRESENT, THE PERSON SHOULD BE REMOVED FROM EXPOSURE AND A PHYSICIAN CONSULTED.INGESTION: CALL A PHYSICIAN OR POISON CONTROL CENTER AT ONCE.

Effects of Overexposure:EXPOSURE TO HIGH LEVELS OF AIRBORNE OR INGESTED LEAD MAY PRODUCE SYMPTOMS OF ANEMIA,INSOMNIA,WEAKNESS,CONSTIPATION,NAUSEA AND ABDOMINAL PAIN. PROLONGED OVEREXPOSURE MAY RESULT IN KIDNEY AND NERVOUS SY STEM INVOLVEMENT.

Medical Cond Aggravated by Exposure:WOMEN OF CHILD BEARING AGE SHOULD AVOID EXPOSURE TO LEAD DUE TO POST-NATAL EFFECTS.

## First Aid

First Aid:SKIN:FOR HOT METAL BURNS,EXPOSED AREA SHOULD BE COOLED WITH WATER AND MEDICAL ATTENTION SOUGHT.AFTER HANDLING SOLID SOLDER WIRE,BAR,ETC.,WASH THOROUGHLY WITH SOAP AND WATER.DUST VAPOR AND/OR FUME ARE NOT READILY ABSORBED THROUGH SKIN.EYES:FLUSH WITH WATER,CONTACT A PHYSICIAN.DUST OR FUME MAY CAUSE IRRITATION.

## Fire Fighting

Fire Fighting Procedures:USE NIOSH APPROVED SELF-CONTAINED BREATHING

APPARATUS AND FULL PROTECTIVE CLOTHING IF INVOLVED IN A FIRE  
Unusual Fire/Explosion Hazard:MODERATE IN THE FORM OF DUST WHEN EXPOSED  
TO HEAT OR HIGH TEMPERATURES,LEAD EMITS HIGHLY TOXIC FUMES

## Accidental Release

Spill Release Procedures:VACUUMING IS RECOMMENDED.DO NOT USE DRY  
SWEEPING OR COMPRESSED AIR CLEANING SYSTEMS.

## Handling

Handling and Storage Precautions:FOOD AND DRINK SHOULD NOT BE CONSUMED  
OR TOBACCO PRODUCTS USED NOR COSMETICS APPLIED IN AREAS WHERE  
SOLDER MAY BE USED.WASH HANDS BEFORE EATING,DRINK  
Other Precautions:SINCE EMPTY CONTAINERS MAY RETAIN PRODUCT  
RESIDUES(VAPOR,LIQUID, OR SOLID) ALL LABELED HAZARD PRECAUTIONS  
MUST BE OBSERVED.

## Exposure Controls

Respiratory Protection:A NIOSH APPROVED DUST/FUME RESPIRATOR SHOULD BE  
WORN WHERE APPLICABLE LIMITS MAY BE EXCEEDED.  
Ventilation:PROVIDE SUFFICIENT MECHANICAL(GENERAL AND/OR LOCAL  
EXHAUST)VENTILATION TO MAINTAIN EXPOSURE BELOW TLV'S.  
Protective Gloves:GLOVES SHOULD BE WORN TO REDUCE BURN EXP  
Eye Protection:SAFETY GLASSES AND/OR FACE PROTECTION  
Supplemental Safety and Health

## Chemical Properties

Solubility in Water:NO  
Appearance and Odor:SILVER-GRAY METAL,ODORLESS,VARIOUS SHAPES AND SIZES

## Stability

Stability Indicator/Materials to Avoid:YES  
OXIDIZING MATERIALS,ACIDS,HYDROGEN PEROXIDE  
Hazardous Decomposition Products:LEAD OXIDE FUME AND/OR LEAD  
PARTICULATE MAY BE INVOLVED

## Disposal

Waste Disposal Methods:SCRAP OR WASTE SOLDER SHOULD BE RECYLCED OR  
STORE IN SEALED DRY CONTAINERS FOR LATER DISPOSAL.MUST BE IN  
ACCORDANCE WITH FEDERAL,STATE AND LOCAL LAWS AND REGULATIONS.

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