

ALPHA METALS -- SOLDER ALLOYS OF LEAD, TIN, SILVER, BIMUTH, -- 3439-00-153-4280

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

Product ID:SOLDER ALLOYS OF LEAD, TIN, SILVER, BIMUTH,

MSDS Date:03/13/1990

FSC:3439

NIIN:00-153-4280

MSDS Number: BPTWC

=== 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 ===

C

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

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

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15

MG/M3;DUST 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9293

Ingred Name:SILVER (SARA III)
CAS:7440-22-4
RTECS #:VW3500000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3; 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:BISMUTH
CAS:7440-69-9
RTECS #:EB2600000
Other REC Limits:NONE RECOMMENDED

Ingred Name:ANTIMONY (SARA III)
CAS:7440-36-0
RTECS #:CC402
5000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG SB/M3; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:INDIUM
CAS:7440-74-6
RTECS #:NL1050000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.1 MG/M3; 9293

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION OF FUMES M

AY CAUSE

NERVOUS SYSTEM AND MUSCLE IRREGULARITIES, IRRITATION OF EYES, NOSE, THROAT, AND RESPIRATORY SYSTEM, METAL FUME FEVER. CHRONIC: INHALATION OF FUMES MAY CAUSE CANCER , SIDEROSIS, AND AFFECT LUNG FUNCTION.

Explanation of Carcinogenicity:IARC CLASSES LEAD AND SOME LEAD COMPOUNDS AS 2B CARCINOGENS (POSSIBLE CARCINOGENS).

Effects of Overexposure:INHALATION: NAUSEA, DIZZINESS, DRYNESS OF NOSE AND THROAT, COUGHING, WHEEZING AND SHORTNESS OF BREATH. EYES: REDNESS, TEA RING, BLURRED VISION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. RESUSCITATE IF NEEDED. EYES: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: WASH WITH SOAP AND WATER. FOR BURNS, COOL AREA AND SEE DOCTOR. INGESTION: DO NOT INDUCE VOMITING. CALL POISON CONTROL CENTER IMMEDIATELY.

===== Fire Fighting Measures ===

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard:WHEN HEATED TO HIGH TEMPERATURES, LEAD EMITS HIGHLY TOXIC FUMES.

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

Spill Release Procedures:SWEEP UP OR MOP. PLACE RESIDUE IN A CONTAINER FOR DISPOSAL.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:REMOVE ANY COMBUSTIBLES FROM WORK AREA: SPARKS OR WELDING ARC COULD IGNITE NEARBY COMBUSTIBLES.
Other Precautions:FOOD AND DRINK SHOULD NOT BE CONSUMED OR TOBACCO PRODUCTS USED NOR COSMETICS APPLIED IN AREAS WHERE SOLDER MAY BE USED.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR WELDING FUMES OR SUPPLIED A

IR RESPIRATOR IN CONFINED SPACES OR WHERE FUME
CONCENTRATION EXCEEDS REGULATORY LIMITS.

Ventilation:USE MECHANICAL OR LOCAL EXHAUST OR BOTH TO MAINTAIN LEVELS
OF FUMES BELOW REGULATORY LIMITS.

Protective Gloves:WORK GLOVES

Eye Protection:SAFETY GLASSES

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:N1

Solubility in Water:NEGLIGIBLE

Appearance and Odor:OPAGUE, CHARCOAL COLORED SOLID

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG MINERAL ACIDS, HYDROGEN PEROXIDE >52%

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:LEAD OXIDE AND ANTIMONY OXIDE MAY BE
INVOLVED AT TEMPERATURES GREATER THAN 1
000F.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS.

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