

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

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Product Identification  
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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 Phon

e 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

Other REC Limi

ts: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 RECOMMEN  
DED

Ingred Name:ANTIMONY (SARA III)  
CAS:7440-36-0  
RTECS #:CC4025000  
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 MAY 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, C

OUGHING, WHEEZING AND SHORTNESS OF BREATH. EYES: REDNESS, TEARING, BLURRED VISION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== 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.

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===== 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.

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

Spill Release Procedures:SWEEP UP OR MOP. PLACE RESIDUE IN A CONTAINER FOR DISPOSAL

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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===== 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.

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

Respiratory Protection:USE N

IOSH/MSHA APPROVED RESPIRATOR FOR WELDING  
FUMES OR SUPPLIED AIR 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 CLOTH  
ING BEFORE REUSE.

Supplemental Safety and Health

===== 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 AN  
D ANTIMONY OXIDE MAY BE

VOLVED AT TEMPERATURES GREATER THAN 1000F.

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

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

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