

ALPHA METALS -- SOLDER ALLOYS OF LEAD,TIN,SILVER,BISMUTH,AN -- 3439-00-265-7102

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Product Identification
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Product ID:SOLDER ALLOYS OF LEAD,TIN,SILVER,BISMUTH,AN

MSDS Date:08/13/1987

FSC:3439

NIIN:00-265-7102

MSDS Number: BRSSN

=== 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:201-434-6778,800-424-9300(CHEMTREC)

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:TIN

CAS:7440-31-5

RTECS #:XP7320000

Othe

r REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9293

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: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: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

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/M3; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:YES

Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:PRODUCT AS SHIPPED IS NONHAZARDOUS.

HEALTH HAZARDS ARE BASED ON EXPOSURE TO FUMES GENERATED DURING SOLDERING. EYES: IRRITATION. SKIN: IRRITATION. HOT METAL MAY CAUSE BURNS. INHALATION/INGESTION: AIRBORNE OR INGESTED LEAD MAY PRODUCE ANEMIA, INSOMNIA, CONSTIPATION, NAUSEA, ABDOMINAL PAIN, KIDNEY AND NERVOUS SYSTEM AFFECTS.

Effects of Overexposure:EYES: FUMES MAY CAUSE IRRITATION.

SKIN: HOT

METAL MAY CAUSE BURNS. DUST, VAPOR, OR FUME MAY CAUSE IRRITATION. INHALATION/INGESTION: ANEMIA, INSOMNIA, WEAKNESS, CONSTIPATION, NAUSEA, ABDOMINAL PAIN, KIDNEY AND NERVOUS SYSTEM INVOLVEMENT. WOMEN OF CHILD BEARING AGE SHOULD AVOID EXPOSURE TO LEAD DUE TO POST-NATAL AFFECTS.

Medical Cond Aggravated by Exposure:PERSON WITH PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, RESPIRATORY SYSTEM, KIDNEYS, OR NERVOUS SYSTEM MAY BE AT INCREASED RISK FROM EXPOSURE TO FUMES WHEN USING THIS PRODUCT.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SKIN: FOR HOT METAL BURNS, EXPOSED AREA SHOULD BE COOLED WITH WATER AND GIVEN MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. IF ADVERSE SYMPTOMS DEVELOP, GET MEDICAL ATTENTION. INGESTION: GET MEDICAL ATTENTION.

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

Extinguishing Media:NONFLAMMABLE. USE MEDIA APPROPRIATE FOR SURROUNDING MATERIALS.

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 FLAME. WHEN HEATED TO HIGH TEMPERATURES, LEAD EMITS HIGHLY TOXIC FUMES.

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

Spill Release Procedures:AVOID INHALATION

ION OF SOLDER FUME OR DUST.

VACUUMING IS RECOMMENDED. DO NOT USE DRY SWEEPING OR COMPRESSED AIR CLEANING SYSTEMS. AVOID GENERATING AIRBORNE DUSTS.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:FOOD AND DRINK SHOULD NOT BE CONSUMED OR TOBACCO PRODUCTS USED, OR COSMETICS APPLIED IN AREAS WHERE SOLDER MAY BE USED.

Other Precautions:SINCE EMPTY CONTAINERS MAY RETAIN PRODUCT RESIDUES (VAPOR , LIQUID, OR SOLID) ALL LABELED HAZARD PRECAUTIONS MUST BE OBSERVED. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERN ALLY.

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

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 TLVS.

Protective Gloves:HEAT RESISTANT DURING SOLDERING.

Eye Protection:SAFETY GLASSES AND/OR FACE PROTECTION.

Other Protective Equipment:WORK CLOTHES SHOULD BE WORN TO REDUCE BURN EXPOSURE.

Work Hygienic Practices:WASH AFTER HANDLING 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:INSOLUBLE

Appearance and Odor:SILVER-GREY METAL, VARIOUS SHAPES AND SIZES.

ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING MATERIALS, ACIDS, HYDROGEN PEROXIDE.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:LEAD OXIDE FUME AND/OR LEAD PARTICULATE MAY BE EVOLVED.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:SCRAP OR WASTE SOLDER SHOULD BE RECYCLED OR STORED IN

SEALED DRY CONTAINERS FOR LATER DISPOSAL. DISPOSAL OF WASTE MUST BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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