

ALPHA METALS -- SOLDER ALLOYS OF LEAD,TIN,SILVER,BISMUTH ET -- 3439-01-008-7578

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

MSDS Date:03/13/1990

FSC:3439

NIIN:01-008-7578

MSDS Number: BJKYG

=== 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 OR 800-424-9300(CHEMTR

CAGE:96613

=== Contractor Identification ===

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

Fraction by Wt: 35.53%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15 MG/M3;DUST 9192

EPA Rpt Qty

:1 LB
DOT Rpt Qty:1 LB

Ingred Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
Fraction by Wt: 63.5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9192

Ingred Name:BISMUTH
CAS:7440-69-9
RTECS #:EB2600000
Fraction by Wt: 0.25%
Other REC Limits:NONE SPECIFIED

Ingred Name:ANTIMONY (SARA III)
CAS:7440-36-0
RTECS #:CC4025000
Fraction by Wt: 0.5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG SB/M3; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 0.08%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2MG/M3 FUME; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ARSENIC (SARA III)
CAS:7440-38-2
RTECS #:CG0525000
Fraction by Wt: 0.03%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.5 MG/M3 (AS)
ACGIH TLV:0.01,A1 MG/M3; 9394
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:IRON
CAS:7439-86-6
RTECS #:NO6925000
Fraction by Wt: 0.02%
Other REC Limits:N

ONE SPECIFIED

Ingred Name:ALUMINUM (SARA III)
CAS:7429-90-5
RTECS #:BD0330000
Fraction by Wt: 0.005%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15MG/M3 DUST/5 FUME
ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 0.005%
Other REC Limits:NONE SPECIFIED
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:THE INGREDIENT PERCENTAGES AND MINOR CONSTITUENTS ARE TAKEN FROM THE CTDF.
RTECS
#:9999999ZZ
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: WHILE IT IS POSSIBLE FOR LEAD TAKEN IN EXTREMELY LARGE DOSES TO CAUSE ENCEPHALOPATHY, A BRAIN CONDITION THAT CAN RESULT IN SEIZURES, COMA AND DEATH, EXPOSURES OF THIS MAGNITUDE ARE HIGHLY UNUSU AL. CHRONIC: MAY RESULT IN DA
MAGE
TO THE BLOOD-FORMING, NERVOUS, URINARY AND REPRODUCTIVE SYSTEMS.
OTHER METAL HAZARDS.

Explanation of Carcinogenicity:NOT LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Effects of Overexposure:LOSS OF APPETITE, METALLIC TASTE IN THE MOUTH, ANXIETY, CONSTIPATION, NAUSEA, PALLOR, EXCESSIVE TIREDNESS, WEAKNESS, INSOMNIA, HEADACHE, NERVOUS IRRITABILITY, MUSCLE AND JOINT SORENESS, TREMORS, DIZZI NESS, ABDOMINAL PAIN, JOINT PAIN/WEAKNESS, WEIGHT LOSS,LEAD LINE ON GUMS, ME

NTAL CONFUSION.

REFER TO OTHER METAL HAZARDS

Medical Cond Aggravated by Exposure:DISEASES OF THE BLOOD-FORMING, NERVOUS, URINARY AND REPRODUCTIVE SYSTEMS. EXPOSURE TO LEAD MAY RESULT IN INJURY TO A DEVELOPING FETUS. WOMEN OF CHILD BEARING AGE SHOULD AVOID EXPOSURE TO LEAD.

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

First Aid:IF A PERSON BREATHE IN A LARGE AMOUNT OF DUST OR FUMES, REMOVE FROM EXPOSURE. IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION. CALL A PHYSICIAN. IF LEAD HAS BEEN INGESTED, INDUCE VOMITING IF THE INDIVIDUAL IS CONSCIOUS. CALL A PHYSICIAN. IF LEAD GETS IN EYES, FLUSH WITH A LARGE AMOUNT OF WATER. CALL A PHYSICIAN. TREAT MOLTEN METAL BURNS AS ORDINARY BURN FIRST AID.

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

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL TO CONTROL SURROUNDING MATERIAL.

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. BE WARY OF DUST EXPLOSION AND LEAD DUST TOXICITY POTENTIAL.

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

Spill Release Procedures:CLEAN UP BY VACUUMING TO MINIMIZE DUST EXPOSURE. PROVIDE CLEAN UP EMPLOYEES WITH RESPIRATORS IF THE POSSIBILITY FOR EXPOSURE TO DUST OR FUMES EXISTS.

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

Handling and Storage Precautions:PRACTICE GOOD HOUSEKEEPING TO PREVENT ACCUMULATION OF DUST. DO NOT SMOKE OR EXPOSE FOOD OR DRINK TO DUST. WASH HANDS AFTER HANDLING.

Other Precautions:REFER TO OSHA STANDARD 29CFR 1910.1025 FOR LEAD EXPOSURE CONTROL.

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

Respiratory Protection

:USE NIOSH/MSHA APPROVED RESPIRATOR FOR LEAD, IF EXPOSURES EXCEED THE OSHA LIMIT.
Ventilation:USE ENOUGH VENTILATION WHEN CUTTING OR GRINDING TO KEEP THE DUST AND FUMES FROM THE WORKERS BREATHING ZONE & BELOW PEL.
Protective Gloves:LEATHER GLOVES
Eye Protection:OSHA APPROVED SAFETY GLASSES.
Other Protective Equipment:SAFETY EYEWASH STATION
Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING OR SMOKING.
LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
EXPO

SURE TO LEAD IS REGULATED BY OSHA 1910.1025. USE FACE SHIELD IF THERE IS DANGER OF SPLASHING MOLTEN METAL. MANUFACTURER RECOMMENDS MECHANICAL VENTILATION OF AT LEAST 200 FT/MIN OF AIR VELOCITY AND USE OF A LOCALIZED FUME HOOD OVER WORK AREA. DO NOT USE DRY SWEEPING OR COMPRESSED AIR CLEANING SYSTEMS.

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

HCC:N1
Solubility in Water:NEGLIGIBLE
Appearance and Odor:SILVER-GRAY METAL, ODORLESS, VARIOUS SHAPES AND SIZES

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, ACIDS,CONCENTRATED HYDROGEN PEROXIDE (>52%)
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES
Hazardous Decomposition Products:LEAD OXIDE AND ANTIMONY OXIDE FUMES EVOLVED AS TEMPERATURES >1000F. BASE METAL FUMES ALSO EVOLVED.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE & LOCAL LAWS AND REGULATIONS. SCRAP DRIPPINGS AND DROSSES SHOULD BE KEPT IN A CLOSED CONTAINER AND RETURNED TO LEAD RECYCLER.

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