View NSN Online: https://aerobasegroup.com/nsn/3439-00-273-1637

Product ID:SOLDER ALLOYS OF PB, SN, AG, BI, SB, AND IN

MSDS Date: 10/24/1990

FSC:3439

NIIN:00-273-1637

MSDS Number: BWLCN === 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

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

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

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

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 Na

me:TIN
CAS:7440-31-5
RTECS #:XP7320000
Other REC Limits:NONE SPECIFIED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9192

Ingred Name: SILVER (SARA III)

CAS:7440-22-4

RTECS #:VW3500000

Other REC Limits: NONE SPECIFIED

OSHA PEL:0.01 MG/M3 ACGIH TLV:0.1 MG/M3; 9192

EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name:BISMUTH

CAS:7440-69-9

RTECS #:EB2600000

Other REC Limits: NONE SPECIFIED

Ingred Name: ANTIMONY (SARA III)

CAS:7440-36-0

RTECS #:CC4025000

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: INDIUM

CAS:7440-74-6

RTECS #:NL1050000

Other REC Limits: NONE SPECIFIED

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.1 MG/M3; 9192

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:CHRONIC TOXICITY: WOMEN OF CHILD BEARING AGE SHOULD AVOID EXPOSURE TO LEAD AND ITS INORGANIC

- COMPOUNDS DUE TO POST-NATAL EFFECTS. LEAD CAN CAUSE POTENTIAL INJURY TO A DEVELOPING FETUS AND POSSIBLE EFF ECTS ON REPRODUCTION. LEAD AND ITS INORGANIC COMPOUNDS ARE NEUROTOXINS.
- Explanation of Carcinogenicity:IARC CLASSIFIES LEAD AND SOME LEAD COMPOUNDS AS POSSIBLY CARCINOGENIC TO HUMANS. NOT LISTED BY NTP OR OSHA.
- Effects of Overexposure:LEAD: EXPOSURE TO HIGH LEVELS OF AIRBORNE OF INGESTED LEAD MAY PRODUCE SYMPTOMS OF ANEMIA, INSOMNIA, WEAKNESS, CONSTIPATION, NAUSEA
- AND ABDOMINAL PAIN. OVEREXPOSURE MAY CAUSE DAMAGE TO BLOOD-FORMING, NERVOUS, REPRODUCTIVE, INTESTINAL AND URINARY SYSTEMS.
- Medical Cond Aggravated by Exposure:DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS, KIDNEY, NERVOUS AND POSSIBLY REPRODUCTIVE SYSTEMS.

- First Aid:INHALATION:LEAD-EXCESSIVE OVEREXPOSURE MAY RESULT IN AN ACUTE OR CHRONIC ILLNESS. IF SYMPTOMS ARE PRESENT, THE INDIVIDUAL SHOULD BE REM
- OVED FROM EXPOSURE AND A PHYSICIAN CONSULTED. INGESTION:CALL A PH YSICIAN OR POISON CONTROL CENTER AT ONCE. SKIN:FOR HOT METAL BURNS, EXPOSED AREA SHOULD BE COOLED WITH WATER AND MEDICAL ATTENTION SOUGHT. EYES:FLUSH WITH WATER, CONTACT A PHYSICIAN.

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

Flash Point:NA

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:NA Upper Limits:NA

Extinguishing Media:NA

Fire Fighting Procedures: USE NIOSH/MSHA APPROVED SELF-

**CONTAINED** 

BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING IF INVOLVED IN A

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.

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

Spill Release Procedures:AVOED INHALATION OF SOLDER FUME OR DUST.
VACUUMING OR WASHING IS RECOMMENDED. DO NOT USE DRY SWEEPING OR
COMPRESSED AIR CLEANING SYSTEMS.

Neutra

Handling and Storage Precautions: FOOD AND DRINK SHOULD NOT BE CONSUMED OF TOBACCO PRODUCTS USED, NOR COSMETICS APPLIED IN AREAS WHERE SOLDER MAY BE USED. ALWAYS WASH HANDS AFTER USE.

Other Precautions:SINCE EMPTY CONTAINERS MAY RETAIN PREDUCT RESIDUES, ALL LABELED HAZARD PRECAUTIONS MUST BE OBSERVED. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

=========

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

Respiratory Protection: A NIOSH/MSHA APPROVED DUST/FUME RESPIRATOR SHOULD BE WORN SHERE AIRBORNE EXPOSURES MAY EXCEED OSHA/ACGIH PERMISSABLE AIR CONCENTRATIONS.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW PERMISSABLE LEVELS.

Protective Gloves: PROTECTIVE GLOVES SHOULD BE WORN.

Eye Protection: SAFETY GLASSES AND/OR FACE PROTECTION.

Other Protective Equipment: WORK CLOT

HES SHOULD BE WORN AND LAUNDERED IN

ACCORDANCE WITH CURRENT OSHA LEAD STANDARDS.

Work Hygienic Practices:AFTER HANDLING SOLID SOLDER WIRE, BAR, ETC., WASH THOROUGHLY WITH SOAP AND WATER. DO NOT EAT/DRINK AROUND THIS PRODUCT.

Supplemental Safety and Health

SN:DUST OR FUME MAY CAUSE IRRTATION OF THE SKIN, MUCOUS MEMBRANES, AND MAY RESULT IN BENIGN PNEUMOCONIOSIS. AG:MAY CAUSE DISCOLORATION OF EYES AND SKIN. BI:MAY CAUSE FOUL BREATH, A BLUE- BLACK LINE ON THE GUMS AND STOMA

TITIS. SB:MAY CAUSE GASTROINTESTINAL UPSET, SLEEPLESSNESS, IRRITABILITY AND MUSCULAR PAIN.

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

HCC:N1

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:NA

Decomp Temp:Decomp Text:NA

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:NA

pH:NA

Viscosity:NA

Evaporation Rate & Dr. Reference: NA

Solubility in Water: INSOLUBLE

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

Percent Volatiles by Volume:NA

Cor

rosion Rate:NA	
======= S	tability and Reactivity Data ===========
Stability Condition to Avoi Hazardous Decompositio	CIDS, HYDROGEN PEROXIDE > 52%
	= Disposal Considerations ==========
Waste Disposal Methods: STORED IN SEALED	SCRAP OR WASTE SOLDER SHOULD BE RECYCLED OF

ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional ad vice to verify and assume responsibility for the suitability of this information to their particular situation.

CONTAINERS FOR LATER DISPOSAL. MUST BE IN