

ALPHA METALS -- SOLDER ALLOY OF TIN -- 3439-00-452-0374

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

Product ID:SOLDER ALLOY OF TIN

MSDS Date:03/13/1990

FSC:3439

NIIN:00-452-0374

MSDS Number: BKSRL

=== 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, CHEMTREC 800-424-9300

CAGE:96

613

=== 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

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

Ingred Name:TIN

CAS:7440-31-5

RTECS #:XP7320000

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3

ACGI

H TLV:2 MG/M3; 9192

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 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:INDIUM
CAS:7440-7
4-6
RTECS #:NL1050000
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.1 MG/M3; 9192

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

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic

:ACUTE-INHALATION OF FUMES(DURING SOLDERING):IRRITATION OF EYES AND RESPIRATORY TRACT SYSTEM.
CHRONIC:LONG AND REPEATED EXPOSURE TO METAL FUMES MAY CAUSE HEADACHE, NAUSEA/VOMITING, ACHING BONES, FATIGUE, DECREASED APPETITE, ABDOMINAL CRAMPING, ANEMIA, BRAIN, HEART, LUNG, LIVER AND KIDNEY DEGENERATIVE CHANGES.

Effects of Overexposure:EXPOSURE TO FUMES MAY RESULT IN IRRITATION OF NOSE, THROAT, EYES AND SKIN. BURNS FROM SKIN CONTACT OF MOLTEN SOLDER. WATERY EYES, HEADACHE, BREATHING DIFFICULTY, FREQUENT COUGHING.

Medical Condition Aggravated by Exposure:SOME WORKERS WITH PRE-EXISTING CONDITIONS OF LUNGS, EYES, SKIN, AND THOSE PREVIOUSLY EXPOSED TO LEAD & ANTIMONY MAY BE AT INCREASED RISK.

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

First Aid:SKIN BURNS:FLUSH WITH COLD WATER OR APPLY ICE. IN CASE OF SEVERE BURNS GET MEDICAL HELP. EYE IRRITATION:FLUSH WITH WATER FOR 15 MINUTES. INHALATION:REMOVE TO FRESH AIR. ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. IF NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION. GET MEDICAL HELP. INGESTION:GET MEDICAL HELP.

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

Extinguishing Media:USE DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:CLEAN UP ANY DUST OR WASTE RESIDUES AND PLACE IN SUITABLE DOT APPROVED CONTAINERS AND DISPOSE OF IN FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. AVOID INHALATION AND SKIN EXPOSURE.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:NO SPECIAL REQUIREMENTS

NTS FOR STORAGE.

WEAR GLOVES AND FLAME RETARDANT CLOTHING WHEN SOLDERING.

Other Precautions:DO NOT INHALE FUMES.

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

Respiratory Protection:USE FUME/ORGANIC VAPOR RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN SOLDERING IN A CONFINED SPACE OR WHERE LOCAL EXHAUST OR GENERAL VENTILATION DOES NOT KEEP EXPOSURE BELOW RECOMMENDED LIMITS. USE ONLY NIOSH APPROVED RESPIRATORS.

Ventilation:USE ENOUGH VENTILATION WHEN SOLDERING TO KEEP THE DUST, FUMES & GASES BELOW TLV.

Protective Gloves:LEATHER GLOVES

Eye Protection:OSHA APPROVED GOGGLES/FACE SHIELD

Other Protective Equipment:FLAME RETARDANT CLOTHING AND LEATHER GLOVES WHEN SOLDERING.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:SILVE

R GREY WIRE, ODORLESS. VARIOUS SHAPES AND SIZES.

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS AND BASES

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:TOXIC METAL FUMES ABOVE 886C(1627F).

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

Waste Disposal Methods:DISPOSE OF ACCORDING TO FEDERAL, STATE & LOCAL REGULATIONS.

Disclaimer (provided with this information by th

e 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 advice to verify and assume responsibility for the suitability of this information to their particular situation.