

BOW SOLDER PRODUCTS CO -- TIN/LEAD/ANTIMONY ALLOYS -- 3439-01-019-9100

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Product Identification
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Product ID:TIN/LEAD/ANTIMONY ALLOYS

MSDS Date:06/18/1992

FSC:3439

NIIN:01-019-9100

Status Code:A

MSDS Number: CLLSX

=== Responsible Party ===

Company Name:BOW SOLDER PRODUCTS CO

Address:900 HOBSON ST

City:UNION

State:NJ

ZIP:07083

Country:US

Info Phone Num:908-686-6040 800-535-5000

Emergency P

hone Num:908-686-6040 - 800-535-5000

CAGE:TO136

=== Contractor Identification ===

Company Name:BOW SOLDER PRODUCTS CO

Address:900 HOBSON ST

Box:City:UNION

State:NJ

ZIP:07083

Country:US

Phone:908-686-6040 800-535-5000

CAGE:TO136

Company Name:KAMPI COMPONENTS CO., INC.

Address:210 RT 13

Box:721

City:BRISTOL

State:PA

ZIP:19007-3517

Country:US

Phone:215-736-2000

CAGE:7Z016

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Composition/Information on Ingredients
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Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525

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Minumum % Wt:0.

Maxumum % Wt:100.

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

Minumum % Wt:0.

Maxumum % Wt:100.

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

Ingred Name:ANTIMONY (SARA III)

CAS:7440-36-0

RTECS #:CC4025000

< Wt: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

D

OT Rpt Qty:5000 LBS

===== 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:SEVERE SHORT-TERM OVEREXPOSURE LEAD TO CENTRAL NERVOUS SYSTEM DISORDERS, DROWSINESS, SEIZURES, COMA, DEATH. EXPOSURES OF THIS MAGNITUDE IN AN INDUSTRIAL ENVIRONMENT ARE EXTREMELY UNLIKELY. PROLONGED OVEREXPOSURE TO LEAD CAN RESULT IN SYSTEMIC POISONI

NG W/SYMPTOMS OF METALLIC TASTE, ANEMIA, INSOMNIA, WEAKNESS, CONSTIPATION, ABDOMINAL PAIN, GASTROINTESTINAL DISORDERS, JOINT/ MUSCLE PAIN, AND MUSCUL AR WEAKNESS, MAY CAUSE DAMAGE TO BLOOD-FORMING, NERVOUS, KIDNEYS, AND REPRODUCTIVE SYSTEMS. DAMAGE MAY INCLUDE REDUCED FERTILITY IN BOTH MEN AND WOMEN, DAMAGE TO FETUS OF EXPOSED PREGNANT WOMEN, ANEMI A, MUSCULAR WEAKNESS, KIDNEY DYSFUNCTION

Explanation of Carcinogenicity:NOT LISTED AS A SUSPECT CARCINOGEN BY

NTP, IARC O

R OSHA.

Effects of Overexposure:SEVERE SHORT-TERM OVEREXPOSURE LEAD TO CENTRAL NERVOUS SYSTEM DISORDERS, DROWSINESS, SEIZURES, COMA, DEATH. EXPOSURES OF THIS MAGNITUDE IN AN INDUSTRIAL ENVIRONMENT ARE EXTREMELY UNLIKELY. PROLONGED OVEREXPOSURE TO LEAD CAN RESULT IN SYSTEMIC POISONING W/SYMPTOMS OF METALLIC TASTE, ANEMIA, INSOMNIA, WEAKNESS, CONSTIPATION, ABDOMINAL PAIN, GASTROINTESTINAL DISORDERS, JOINT/ MUSCLE PAIN, AND MUSCULAR WEAKNESS, MAY CAUSE DAMAGE TO BLOOD

-FORMING, NERVOUS, KIDNEYS, AND REPRODUCTIVE SYSTEMS. DAMAGE MAY INCLUDE REDUCED FERTILITY IN BOTH MEN AND WOMEN, DAMAGE TO FETUS OF EXPOSED PREGNANT WOMEN, ANEMIA, MUSCULAR WEAKNESS, KIDNEY DYSFUNCTION

Medical Cond Aggravated by Exposure:DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS, KIDNEYS, NERVOUS AND POSSIBLY REPRODUCTIVE SYSTEMS.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE AND CALL A PHYSICIAN. SKIN

CONTACT: WASH AFFECTED AREAS WITH SOAP AND WATER. IF BURNS SHOULD OCCUR FROM MOLTEN METAL TREAT FOR BURN AND GET IMMEDIATE MEDICAL ASSISTANCE. EYES CONTACT: FLUSH EYES WITH WATER FOR 15 MINUTES, CALL A PHYSICIAN. INGESTION: INGEST LARGE QUANTITIES OF WATER, CALL A PHYSICIAN.

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

Extinguishing Media:USE CO2 OR DRY CHEMICAL ON SURROUNDING FIRE. DO NOT USE WATER ON FIRE WHERE MOLTEN METAL IS PRESENT.

Fire Fight

ing Procedures:USE NIOSH-MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL BODY PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:MOLTEN METALS PRODUCE FUME OR VAPOR THAT MAY BE TOXIC AND/OR RESPIRATORY IRRITANTS. REACTS VIOLENTLY WITH OXYDIZING AGENTS.

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

Spill Release Procedures:ANY METHOD THAT KEEPS DUST TO A MINIMUM IS ACCEPTABLE. VACUUMING IS PREFERRED. USE OF APPROVED RESPIRATORY PROTECTION WHERE

E POSSIBILITY OF DUST/FUME EXPOSURE EXISTS. DO NOT
USE COMPRESSED AIR FOR CLEANING.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORAGE: GENERAL STORAGE PROCEDURES
ACCEPTABLE. USE OF APPROVED RESPIRATORS IS REQUIRED FOR
APPLICATIONS WHERE ADEQUATE VENTILATION CANNOT BE PROVIDED.
ACTIVITIES WHICH GENERATE DUST OR FUME SHOULD BE AVOIDED. WHEN
MELTED; TEMPERATURE SHOULD BE KEPT LOW AS POSSIBLE.

Other Precautions:SPECIAL ATTENTION IS DRAWN TO THE REQUIREMENTS OF THE
OSHA LEAD STANDARD (1910.1025) AND RESPIRATOR STANDARD (1910.134)
SHOULD AIRBORNE EXPOSURES EXCEED THE OSHA ACTION LEVEL OR PEL.

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

Respiratory Protection:WHERE AIRBORNE EXPOSURES MAY EXCEED OSHA/ACI
GH PERMISSIBLE AIR CONCENTRATIONS, THE MINIMUM RESPIRATORY PROTECTION
RECOMMENDED IS A NEGATIVE PRESSURE AIR PURIFYING RESPIRATOR WITH
CARTRIDGE

RESPIRATORS THAT ARE NIOSH/MSHA APPROVED AGAINST DUST, FUMES, AND
MISTS HAVING A TWA NOT LESS THAN 0.05 MG/CU M.

Ventilation:LOCAL EXHAUST VENTILATION IS RECOMMENDED FOR DUST AND/OR
FUME GENERATION OPERATIONS WHERE AIRBORNE EXPOSURES MAY EXCEED
PERMISSIBLE AIR CONCENTRATIONS.

Protective Gloves:GLOVES AND OTHER PROTECTIVE CLOTHING RECOMMENDED

Eye Protection:SAFETY GLASSES RECOMMENDED

Other Protective Equipment:USE OF APPROVED RESPIRATORS IS REQUIRED FOR
APPLICATIONS WHERE ADEQUATE VENTILATION CANNOT BE PROVIDED.

ACTIVITIES WHICH GENERATE DUST OR FUME SHOULD BE AVOIDED

Work Hygienic Practices:AVOID INHALATION OF INGESTION. PRACTICE GOOD
HOUSEKEEPING AND PERSONAL HYGIENE PROCEDURES. A SHOWER IS
RECOMMENDED IF SIGNIFICANT DUST EXPOSURE OCCURS.

Supplemental Safety and Health

PER TIR, THE COMPOSITION IS TIN 63%, LEAD 37%; B FORM, S TYPE.

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

HCC:N1

Boiling Pt:>1300.C, 2372.F

B.P. Text:CORE: 300F

Melt/Free

ze Pt:M.P/F.P Text:-179-312C
Spec Gravity:7.3-11.3
Solubility in Water:INSOLUBLE
Appearance and Odor:SILVER-WHITE METAL. SOLID.

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS. MAY CAUSE VIOLENT REACTION.
Stability Condition to Avoid:STABLE
Hazardous Decomposition Products:AT TEMPERATURES ABOVE THE MELTING
POINT, TOXIC FUMES OR VAPORS MAY BE EMITTED.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:SOLDER CAN BE RECLAIMED.

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