

BOW SOLDER PRODUCTS CO INC -- TIN/LEAD ALLOYS -- 3439-00-255-4566

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Product Identification
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Product ID:TIN/LEAD ALLOYS

MSDS Date:09/26/1997

FSC:3439

NIIN:00-255-4566

MSDS Number: CHHMX

=== Responsible Party ===

Company Name:BOW SOLDER PRODUCTS CO INC

Address:1 CROSSMAN ROAD

City:SAYREVILLE

State:NJ

ZIP:08872

Country:US

Info Phone Num:732-316-2100

Emergency Phone Num:732-316-2100/800-535-5053(INFOTRAC)

CAGE:52329

=== Contractor Identification ===

Company Name:BOW ELECTRONIC SOLDERS

Address:1 CROSSMAN ROAD

Box:City:SAYREVILLE

State:NJ

ZIP:08872

Country:US

Phone:732-316-2100/ FAX: 732-316-2177

CAGE:52329

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Composition/Information on Ingredients
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Ingred Name:TIN

CAS:7440-31-5

RTECS #:XP7320000

Fraction by Wt: 0 - 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9596

Ingred Name:LEAD (SARA 313) (CERCLA)

CAS:7439-92-1

RTECS #:OF

7525000

Fraction by Wt: 0 - 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:SEE 1910.1025

ACGIH TLV:0.05MG/M3, A3; 9596

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:TARGET ORGANS:CNS, RESPIRATORY & GI TRACTS. ACUTE- OVEREXPOSURE MAY LEAD TO CNS D

ISORDERS CHARACTERIZED

BY DROWSINESS, SEIZURES, COMA, DEATH. IT SHOULD BE RECOGNIZED THAT EXPOSURES OF THIS MAGNITUDE I N AN INDUSTRIAL ENVIRONMENT ARE EXTREMELY UNLIKELY. CHRONIC- SYSTEMIC POISONING, MUSCULAR WEAKNESS, KIDNEY DYSFUNCTION.

Explanation of Carcinogenicity:CONTAINS LEAD.

Effects of Overexposure:WEAKNESS, VOMITING, LOSS OF APPETITE, CONVULSION, COMA, IRRITATION, HEADACHE, NAUSEA, CONSTIPATION, ANEMIA, INSOMNIA, JOINT AND MUSCLE PAIN, SEIZURES, DEATH, METALLIC

TASTE

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS, KIDNEYS, NERVOUS SYSTEM AND POSSIBLY REPRODUCTIVE SYSTEM

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

First Aid:CALL A DOCTOR IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN. SKIN:WASH WITH SOAP & WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL:CALL A P HYSICIAN/POISON CONTROL CENTER. IF CONSCIOUS, DRINK LARGE AMOUNT OF WATER.

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

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:USE DRY CHEMICAL OR CARBON DIOXIDE ON SURROUNDINF FIRE. DO NOT USE WATER ON FIRE WHERE MOLTEN METALS IS PRESENT.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATE

D IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:MAY FORM TOXIC AND/OR IRRITATING VAPORS.

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

Spill Release Procedures:COLLECT AND USE. IF CONTAMINATED OR IN SMALL PARTICLES, VACUUM OR COLLECT MATERIAL. NEVER USE ANY METHOD WHICH GENERATE DUST. DO NOT USE FORCED AIR FOR CLEANING. WEAR NIOSH-APPROVED DUST MASK IF DUSTY CONDITION.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN DRY PLACE AWAY FROM INCOMPATIBLE MATERIALS. FOOD AND DRINK SHOULD NOT BE CONSUMED IN AREAS WHERE METAL EXPOSURES ARE POSSIBLE.

Other Precautions:READ WARNING LABELS. KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY. DO NOT GENERATE DUST. DO NOT BREATHE DUST OR FUMES. AVOID CONTACT WITH DUST OR FUMES.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED DUST OR FUME RESPIRATOR MUST BE WORN. A PROGRAM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE WITH OSHA STANDARD 29 CFR 1910.134.

Ventilation:USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR DUST LEVELS AS LOW AS POSSIBLE.

Protective Gloves:RUBBER RECOMMENDED

Eye Protection:SAFETY GLASSES/GOGGLES RECOMMENDED

Other Protective Equipment:EYEBATH, WASHING FACILITY, SAFETY SHOWER

Work

Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING.

Supplemental Safety and Health

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:2372F,1300C

Melt/Freeze Pt:M.P/F.P Text:354F - 594F

Spec Gravity:7.3 - 11.3

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:INSOLUBLE

Appearance and O

dor:SILVER-WHITE METAL

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

Stability Indicator/Materials to Avoid: YES

STRONG ACIDS, STRONG OXIDIZING AGENTS

Stability Condition to Avoid: NONE

Hazardous Decomposition Products: TOXIC FUMES OR VAPORS MAY BE FORMED.

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

Waste Disposal Methods: HOLD FOR RECYCLING OR DISPOSE OF IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

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ith this information by the compiling agencies):

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