

BOW SOLDER PRODUCTS CO. -- SN50WS 0.125 5LB -- 3439-00-273-1637

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Product Identification  
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Product ID:SN50WS 0.125 5LB

MSDS Date:09/01/1986

FSC:3439

NIIN:00-273-1637

MSDS Number: BKHLP

=== Responsible Party ===

Company Name:BOW SOLDER PRODUCTS CO.

Address:900 HOBSON STREET

City:UNION

State:NJ

ZIP:07083

Info Phone Num:(201) 686-6040

Emergency Phone Num:(201) 686-6040

CAGE:52329

=== Contrac

tor 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:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 47.53%

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: 51.

5%  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9192

Ingred Name:ANTIMONY (SARA III)  
CAS:7440-36-0  
RTECS #:CC4025000  
Fraction by Wt: 0.05%  
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:BISMUTH  
CAS:7440-69-9  
RTECS #:EB2600000  
Fraction by Wt: 0.25%  
ACGIH TLV:10 MG/CUM

Ingred Name:COPPER (SARA III)  
CAS:7440-50-8  
RTECS #:GL5325000  
Fraction by Wt: 0.08%  
Other REC Limits:1 MG(CU)/M3 (DUST)  
OSHA PEL:0.1MG/M3 FUME/1 DUST  
ACGIH TLV:0.2MG/M3 FUME; 9192  
E  
PA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ARSENIC (SARA III)  
CAS:7440-38-2  
RTECS #:CG0525000  
Fraction by Wt: 0.025%  
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:7439-89-6  
RTECS #:NO4565500  
Fraction by Wt: 0.02%

Ingred Name:ALUMINUM (SARA III)  
CAS:7429-90-5  
RTECS #:BD0330000  
Fraction by Wt: 0.005%  
OSHA PEL:15MG/M3 DUST/5 FUME  
ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:ZINC (SARA III)  
CAS:7440-66-6  
RTECS #:ZG8600000  
Fr

action by Wt: 0.005%  
OSHA PEL:10 MG ZNO/M3  
ACGIH TLV:10 MG ZNO/M3; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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===== 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:SKIN: BURNS. INGESTION/INHALATION:  
LEAD POISONING, METALLIC TASTE, ABDOMINAL PAIN, NAUSEA, JOINT OR  
MUSCLE PAIN, WEAKNESS, LOSS OF WEIGHT, MENTAL CONFUSION, & LEAD  
LINE ON GUMS.  
Explanation of Carcinogenicity:LEAD & ARSENIC ARE SUSPECTED A1  
CARCINOGENS.  
Effects of Overexposure:SKIN: BURNS. INGESTION/INHALATION: LEAD  
POISONING, METALLIC TASTE, ABDOMINAL PAIN, NAUSEA, JOINT OR MUSCLE  
PAIN, WEAKNESS, LOSS OF WEIGHT, MENTAL CONFUSION, & LEAD LINE ON  
GUMS.

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

First Aid:SKIN: GIVE ORDINARY BURN FIRST AID. INHALATION: REMOVE TO  
FRESH AIR. INGESTION: OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Fire Fighting Procedures:WEAR SELF-CONTAINED RESPIRATORY SYSTEM.  
Unusual Fire/Explosion Hazard:MODERATE HAZARD WHEN HIGH CONCENTRATION  
OF VERY FINE METALLIC DUST IS EXPOSED TO HEAT OR OPEN FLAME.

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

Spill Release Procedures:VACUUM OR WET SWEEP METALLIC POWDER OR DUST  
USING A RESPIRATOR & PROTECTIVE CLOTHING.

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

Handling and Storage Precautions:AVOID INHALATION OF DUSTS OR FUMES.  
KEEP AREA CLEAN. DON'T SMOKE OR EXPOSE FOOD TO DUST. AVOID MOLTEN  
OR HOT METAL & SPLASHING.

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

Ventilation:LOCAL EXHAUST: FUME HOOD OVER WORK AREA. MECHANICAL: 200  
FT/MIN AIR VELOCITY INTO HOOD OPENING.  
Protective Gloves:RECOMMENDED  
Eye Protection:SAFETY GLASSES & FACE SHIELD  
Other Protective Equipment:SAFETY

EYEWASH STATIONS

Work Hygienic Practices:WASH HANDS AFTER HANDLING. USE GOOD HOUSEKEEPING PRACTICES.

Supplemental Safety and Health  
MOLTEN METAL MAY REACT VIOLENTLY W/WATER.

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

Boiling Pt:B.P. Text:>1700F  
Vapor Pres:0.000016  
Spec Gravity:7.3-11.3  
Solubility in Water:INSOLUBLE  
Appearance and Odor:GREY TO SHINY SILVERY GREY METALLIC COLOR, SOLID.

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

Stability  
Indicator/Materials to Avoid:YES  
OXIDIZERS, ACIDS, & BASES  
Stability Condition to Avoid:HEAT, OPEN FLAME, & HIGH TEMPERATURES  
>MELTING POINT  
Hazardous Decomposition Products:TOXIC FUMES

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

Waste Disposal Methods:SCRAP DRIPPINGS & DROSSES SHOULD BE STORED IN A CLOSED CONTAINER & RETURNED TO A LEAD RECYCLER. FOLLOW FEDERAL, STATE, & LOCAL REGULATIONS REGARDING DISPOSAL.

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