

BOW SOLDER PRODUCTS CO. -- 04987 SN60WRAP2 0.040 1LB SPOOL -- 3439-00-542-0949

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Product Identification  
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Product ID:04987 SN60WRAP2 0.040 1LB SPOOL

MSDS Date:09/01/1986

FSC:3439

NIIN:00-542-0949

MSDS Number: BKHPL

=== Responsible Party ===

Company Name:BOW SOLDER PRODUCTS CO.

Address:900 HOBSON STREET

Box:488

City:UNION

State:NJ

ZIP:07083

Info Phone Num:(201) 686-6040

Emergency Phone Num:

(201) 686-6040

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: 61.5%

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 37.53%

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:ANTIMONY (SARA III)  
CAS:7440-36-0  
RTECS #:CC4025000  
Fraction by Wt: 0.5%  
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  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ARSENIC (SARA III)  
CAS:7440-38-2  
RTECS #:CG0525000  
Fraction by Wt: 0.03%  
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  
Fraction 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

Ingred Name:ROSIN ACID  
CAS:8050-09-7

Ingred Name:DIPROPYLENE GLYCOL  
CAS:25265-71-8  
RTECS #:UB8765000

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

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

First Aid:INHALATION: REMOVE TO FRESH AIR. SKIN: DON'T ATTEMPT TO  
REMOVE ROSIN FROM SECOND OR THIRD DEGREE BURNS. USE SOLVENTS TO  
REMOVE ROSIN FROM MINOR FIRST DEGREE BURNS. 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 VER

Y FINE METALLIC DUST IS EXPOSED TO HEAT. MOLTEN METAL MAY REACT VIOLENTLY W/WATER.

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

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

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

Handling and Storage Precautions:STORE IN A CLOSED CONTAINER. AVOID INHALATION OF DUSTS OR FUMES. DON'T SMOKE OR EXPOSE FOOD TO DUST. KEEP AREA CLEAN.

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

Ventilation:LOCAL EXHAUST: FUME HOOD OVER AREA. MECHANICAL: 200 FT/MIN. AIR VELOCITY INTO HOOD OPENING TO KEEP 1700F

Vapor Pres:0.000016

Spec Gravity:7.3-11.3

Solubility in Water:INSOLUBLE

Appearance and Odor:METALLIC COLOR, SOLID, GRAY TO SHINY SILVERY GRAY.

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

Stability Indicator/Materials to Avoid:YES

ACIDS, BASES, OXIDIZERS, & WATER

Stability Condition to Avoid:TEMPERATURE >M

ELTING 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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