

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

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

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 N

um:(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

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

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 I

II)
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

===== 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.

===== 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. 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

>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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