

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 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

=====
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 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

===== 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 POIS
ONING
& 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.

=====

= 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 VE

RY 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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of Ame

rica in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.