

BOW SOLDER PRODUCTS CO. -- SN40WRMAP3 SOLDER LEAD ALLOY -- 3439-01-074-9983

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Product Identification
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Product ID:SN40WRMAP3 SOLDER LEAD ALLOY

MSDS Date:09/01/1986

FSC:3439

NIIN:01-074-9983

MSDS Number: BGKPG

=== Responsible Party ===

Company Name:BOW SOLDER PRODUCTS CO.

Address:900 HOBSON STREET

Box:488

City:UNION

State:NJ

ZIP:07083

Country:US

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: 41.5%

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: 57.54%

Other REC Limits:0.05MG/CUM

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:ROSIN PERCENT TAKEN FROM QQ-S-571 TABLE III
CAS:8050-09-7
Fraction by Wt: 3.3%

Ingred Name:DIPROPYLENE GLYCOL
CAS:110-98-5
RTECS #:UB8785000

Ingred Name:THE INGREDIENTS ABOVE WERE TAKEN FROM MANUFACTURER'S
MSDS.THE INGREDIENTS BELOW WERE TAKEN FROM DGSC CTFD OF 88057
RTECS #:9999999ZZ

Ingred Name:ANTIMONY 0.5%;BISMUTH 0.25%;COPPER 0.08%;OTHER ELEMENTS
0.08%;ARSENIC 0.02%;IRON 0.02%;ZINC
0.005%;ALUMINUM 0.005%
RTECS #:9999999ZZ

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:LEAD POISONING AFTER LONG TERM EXTREME
EXPOSURE FROM INGESTION OR INHALATION OF COMPOUNDS OR FUMES.
SYMPTOMS:METALLIC TASTE,ABDOMINAL PAIN,NAUSEA,JOINT OR MUSCLE PAIN
OR WEAKNESS. POSSIBLE LOSS OF WEIGHT,MENTAL CONFUSION,LEAD LINE ON
GUMS.

Effects of Overexposure:SEE HEALTH HAZARDS.

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Medical Cond Aggravated by Exposure:NONE NOTED.

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

First Aid:INHALATION:REMOVE IMMEDIATELY FROM AREA,SEE DOCTOR; IF BURN
FROM MOLTEN METAL,GIVE ORDINARY BURN FIRST AID. DO NOT ATTEMPT TO
REMOVE ROSIN FROM SECOND OR THIRD DEGREE BURNS.

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

Extinguishing Media:WATER SPRAY,FOAM,DRY POWDER,CO*2
Fire Fighting Procedures:IN EXTREME HIGH TEMP.FIRES,PB MAY EMIT TO

XIC

FUMES.WEAR SCBA;WHEN IN PROXIMITY TO OXIDIZING MTLs @ HIGH TEMPS,PB MAY REACT VIGOROUSLY. CORE:CLASS B FIRE.

Unusual Fire/Explosion Hazard:MODERATE HAZ.WHEN HIGH CONC.OF VERY FINE METALLIC DUST IS EXPOSED TO HIGH HEAT OR OPEN FLAME. CORE:HOT LIQUID ROSIN CORE MAY FOAM WITH LIQUID WATER.

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

Spill Release Procedures:NORMAL HOUSEKEEPING FOR SOLID METAL. METALLIC POWDER OR DUST SHOULD BE VACUUMED OR WET SWEEPED USING A RESPIRATOR AND PROTECTIVE CLOTHING.

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

Handling and Storage Precautions:USE GOOD HOUSEKEEPING PRACTICES TO PREVENT ACCUMULATION OF DUST & TO KEEP AIRBORNE DUST CONCENTRATIONS AT A MINIMUM.

Other Precautions:AVOID BREATHING DUST OR FUMES. REFER TO OSHA STANDARD 29CFR 1910.1025 FOR REQUIREMENTS FOR CONTROL OF EMPLOYEE EXPOSURE TO LEAD.

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

Respiratory Protection:FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR IN CONFINED SPACES OR WHERE VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:FUME HOOD OVER WORK AREA. AIR VELOCITY 200FT/MIN INTO HOOD OPENING.

Protective Gloves:WELDER'S GLOVES

Eye Protection:SAFETY GLASSES

Other Protective Equipment:FACE SHIELD IF DANGER OF SPLASHING MOLTEN METAL.SAFETY EYEWASH STATIONS SHOULD BE IN CLOSE PROXIMITY.

Work Hygienic Practices:WASH HANDS AFTER HANDLING.DO NOT SMOKE OR

EXPOSE FOOD TO DUST.KEEP AREA CLEAN.

Supplemental Safety and Health

BOILING POINT:CORE 250F(121C),SOLDER>1700F,927C. SPECIFIC GRAVITY:CORE 1.1,SOLDER 7.3 TO 11.3;% VOLATILES:10-25 FOR CORE.

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

HCC:N1

Boiling Pt:B.P. Text:SEE SUPPL.

Vapor Pres:NEGLIGIBLE

Spec Gravity:SEE SUPPL.DATA

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CORE:CLR SOLID @ RM TEMP W. LT ROSIN ODOR;SOLDR:MET.COLR,SOLID,GRAY TO SILVR GR

Percent Vol

atiles by Volume:SUPPL.

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

Stability Indicator/Materials to Avoid:YES

ACIDS,BASES,OXIDIZERS. MOLTEN METAL MAY REACT VIOLENTLY WITH WATER.

Hazardous Decomposition Products:TOXIC FUMES OF METALS & METAL

OXIDES,CO,NO*2,O*3.

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

Waste Disposal Methods:SCRAP DRIPPINGS AND DROSSES SHOULD BE STORED IN
A CLOSED CONTAINER AND RETURNED TO A LEAD RECYCLER. FOLLOW

FEDERAL,STATE & LOCAL REGULATIONS REGARDING DISPOSAL.

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