

BOW SOLDER PRODUCTS CO INC -- TIN SILVER ROSIN CORE SOLDER(96/4 ROSIN) --  
3439-01-178-6885

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

Product ID:TIN SILVER ROSIN CORE SOLDER(96/4 ROSIN)

MSDS Date:08/18/1990

FSC:3439

NIIN:01-178-6885

MSDS Number: BHXFS

=== Responsible Party ===

Company Name:BOW SOLDER PRODUCTS CO INC

Address:900 HOBSON ST

Box:488

City:UNION

State:NJ

ZIP:07083

Country:US

Info Phone Num:201-

688-6040

Emergency Phone Num:800-526-4496 201-688-6040

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: 94-99%

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

Ingred Name:SILVER (SARA III)

CAS:7440-22-4

RTECS #:VW35

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Fraction by Wt: 1-6%  
OSHA PEL:0.01 MG/M3  
ACGIH TLV:0.1 MG/M3; 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:ROSIN ACID  
CAS:8050-09-7  
Fraction by Wt: 1-3%

Ingred Name:LEAD (SARA III)  
CAS:7439-92-1  
RTECS #:OF7525000  
Fraction by Wt: 0.10%  
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

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chroni  
c:ACUTE:MAY CAUSE IRRITATION OF  
EYES,SKIN AND RESPIRATORY TRACT.ALLERGIC REACTION /SKIN SENSITIVITY  
MAY ALSO BE NOTED. CHRONIC:TOXIC GASES MAY CAUSE PULMONARY EDEMA OR  
LUNG DISEASE.  
Explanation of Carcinogenicity:DATA PER MSDS  
Effects of Overexposure:SEE HEALTH HAZARDS DATA  
Medical Cond Aggravated by Exposure:SOME WORKERS MAY BE AFFECTED BY A  
PRE-EXISTING CONDITION OR OTHER OCCUPATIONAL ILLNESS BECAUSE OF THE  
WIDE VARIATION IN INDIVIDUAL SUSCEPTIBILITIES.

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

First Aid:REMOVE FROM EXPOSURE AREA AND CALL FOR MEDICAL AID.  
ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. IF NOT BREATHING,  
BEGIN ARTIFICIAL RESPIRATION. IF NO DETECTABLE PULSE, BEGIN  
EXTERNAL HEART MASSAGE. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY  
THE AMERICAN RED CROSS.

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

Flash Point:300F,149C,CORE  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, O

R DRY  
CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS IN CONTACT WITH ACIDS.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;SWEEP OR VACCUM AND RECOVER FOR PROPER DISPOSAL.

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

Handling and Storage Precautions:WEAR GLOVES AND HANDLE AS DIRECTED.  
Other Precautions:THE FUME AND GAS DECOMPOSITION PRODUCTS GENERATED ARE DIFFERENT IN FORM FROM THE INGREDIENTS LISTED.DO NOT BREATHE VAPORS AND MIST.AVOID CONTACT WITH EYES AND SKIN.

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

Respiratory Protection:WHERE LOCAL EXHAUST OR GENERAL VENTILATION DOES NOT KEEP EXPOSURE BELOW RECOMMENDED LIMITS. USE ONLY NIOSH/MSHA APPROVED RESPIRATORS.

Ventilation:LOCAL EXHAUST VENTILATION IS RECOMMENDED.

Protective Gloves:AS REQUIRED

Eye Protection:GOGGLES/FACE SHIELD

Other Protective Equipment:APRON,EYE WASH FACILITIES.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING OR SMOKING.  
LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health  
AVOID ACIDS AND EXTREME HEAT.

===== Physical/Chemical Properties =  
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HCC:N1  
Boiling Pt:B.P. Text:250F,121C  
Spec Gravity:1.1  
Solubility in Water:INSOUBLE  
Appearance and Odor:SOLID,SILVER-WHITE METAL WIRE,CORE HAS LIGHT ROSIN ODOR

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

Stability Indicator/Materials to Avoid:YES  
STRONG ACIDS,SULFUR,CHLORINE,SODIUM AND POTASSIUM PEROXIDE  
Stability Condition to Avoid:HIGH TEMPERATURES  
Hazardous Decomposition Products:MAY FORM OXIDES OF THE METALS

===== Disposal Co

nsiderations =====

Waste Disposal Methods:DISPOSE I/A/W FEDERAL, STATE & LOCAL REGULATIONS

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