

BOW SOLDER PRODUCTS CO INC -- ROSIN CORE SOLDER -- 3439-01-450-3654

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

Product ID:ROSIN CORE SOLDER

MSDS Date:06/01/2000

FSC:3439

NIIN:01-450-3654

Status Code:A

MSDS Number: CKTGN

=== Responsible Party ===

Company Name:BOW SOLDER PRODUCTS CO INC

Address:1 CROSSMAN ROAD

City:SAYREVILLE

State:NJ

ZIP:08772

Country:US

Info Phone Num:732-316-2100

Emergency Phone Num:800

-535-5053(INFROTRAC)

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

Company Name:CMAX INC

Address:6127 PERIMETER PKY

Box:11647

City:MONTGOMERY

State:AL

ZIP:36111

Country:US

Phone:334-613-0500/ FAX: 2922

Contract Num:SP0490-99-M-RA55

CAGE:2Y223

Company Name:MILNUCORP INC

Address:3220-A INDUSTRIAL WAY

Box:City:SNELLVILLE

State:GA

ZIP:30039

Co

Country:US
Phone:404-524-3181 / FAX: 770-736-5094
Contract Num:SP0400-00-A-AC75-0548
CAGE:0RY69

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Composition/Information on Ingredients
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Ingredient Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
Minimum % Wt:0.
Maximum % Wt:100.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9596

Ingredient Name:LEAD (SARA 313) (CERCLA)
CAS:7439-92-1
RTECS #:OF7525000
Minimum % Wt:0.
Maximum % Wt:100.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1025
ACGIH TLV:0.05MG/
M3, A3; 9596
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingredient Name:ROSIN
CAS:8050-09-7
Minimum % Wt:1.
Maximum % Wt:3.
Other REC Limits:NONE RECOMMENDED

Ingredient Name:SILVER
CAS:7440-22-4
RTECS #:VW3500000
< Wt:20.
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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Hazards Identification
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IAR

C:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE SHORT-TERM OVEREXPOSURE MAY LEAD TO CENTRAL NERVOUS SYSTEM DISORDERS, CHARACTERIZED BY DROWSINESS, SEIZURES, COMA AND DEATH. IT SHOULD BE RECOGNIZED THAT EXPOSURES OF THIS MAGNITUDE IN AN INDUSTRIAL ENVIRONMENT ARE EXTREMELY UNLIKELY. CHRONIC OVEREXPOSURE: PROLONGED OVEREXPOSURE TO LEAD CAN RESULT IN SYSTEMIC POISONING WITH SYMPTOMS OF METALLIC TASTE, ANEMIA, INSOMNIA, WEAKNESS, CONSTIPATION , ABDOMINAL PAIN, GASTRO

INTESTINAL DISORDERS, JOINT AND MUSCULAR PAIN AND MUSCULAR WEAKNESS AND MAY CAUSE DAMAGE TO THE BLOOD-FORMING, NERVOUS, KIDNEYS, AND REPRODUCTIVE SYSTEMS.

Explanation of Carcinogenicity:THIS PRODUCT HAS NOT BEEN LISTED AS A SUSPECT CARCINOGEN BY NTP, IARC, OR OSHA.

Effects of Overexposure:ACUTE: DROWSINESS, SEIZURES, COMA, AND DEATH. CHRONIC: SYSTEMIC POISONING WITH SYMPTOMS OF METALLIC TASTE, ANEMIA, INSOMNIA, WEAKNESS, CONSTIPATION, ABDOMINAL PAIN, GASTROINTESTINAL DISO

RDERS, JOINT AND MUSCLE PAIN AND MUSCULAR WEAKNESS, AND MAY CAUSE DAMAGE TO THE BLOOD-FORMING, NERVOUS, KIDNEYS, AND REPRODUCTIVE SYSTEMS.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS, KIDNEYS, NERVOUS SYSTEM, AND POSSIBLY REPRODUCTIVE SYSTEM.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE AND CALL PHYSICIAN. SKIN: WASH AFFECTED AREAS WITH SOAP AND WATER. IF BURNS SHOULD OCCUR FROM MOLTEN METAL TREAT FOR BURN AND GET IMMEDIATE MEDICAL ASSISTANCE. EYES: FLUSH WITH WATER FOR 15 MINUTES, CALL A PHYSICIAN. INGESTION: INGEST LARGE QUANTITIES OF WATER, CALL A PHYSICIAN.

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

Flash Point:=-148.9C, 300.F
FOR ROSIN CORE

Extinguishing Media:USE DRY CHEMICAL OR CARBON DIOXIDE ON SURROUNDING FIRE. DO NOT USE WATER ON FIRE WHERE MOLTEN METAL IS PRESENT.

Fire Fighting

Procedures:WEAR FULL BODY PROTECTIVE CLOTHING AND NIOSH/MSHA-APPROVED SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:MOLTEN METALS PRODUCE FUME OR VAPOR THAT MAY BE TOXIC AND/OR RESPIRATORY IRRITANTS. REACTS VIOLENTLY WITH OXYDIZING AGENTS.

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

Spill Release Procedures:ANY METHOD THAT KEEPS DUST TO A MINIMUM IS ACCEPTABLE. VACUUMING IS PREFERRED. USE OF APPROVED RESPIRATORY PROTECTION WHERE POSSIBILITY OF DUST/FUME EXPOSURE EXISTS. DO NOT USE COMPRESSED AIR FOR CLEANING.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:GENERAL STORAGE PROCEDURES ACCEPTABLE. VOID INHALATION OR INGESTION. PRACTICE GOOD HOUSEKEEPING AND PERSONAL HYGIENE PROCEDURES. A SHOWER IS RECOMMENDED IF SIGNIFICANT DUST EXPOSURE OCCURS.
Other Precautions:SPECIAL ATTENTION IS DRAWN TO THE REQUIREMENTS OF THE OSHA LEAD STANDARD (1910.1025) AND RESPIRATOR STANDARD (1910.134) SHOULD AIRBORNE EXPOSURES EXCEED THE OSHA ACTION LEVEL OR PEL.

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

Respiratory Protection:WHERE AIRBORNE EXPOSURES MAY EXCEED OSHA/ACGIH PERMISSIBLE AIR CONCENTRATIONS, THE MINIMUM RESPIRATORY PROTECTION RECOMMENDED IS A NEGATIVE PRESSURE AIR PURIFYING RESPIRATOR WITH CARTRIDGES THAT ARE NIOSH/MSHA APPROVED AGAINST DUST, FUMES, AND MISTS HAVING A TWA NOT LESS THAN 0/05 MG/M3.
Ventilation:LOCAL EXHAUST VENTILATION IS RECOMMENDED FOR DUST AND/OR FUME GENERATION OPERATIONS WHERE AIRBORNE EXPOSURES MAY EXCEED PERMISSIBLE AIR CONCENTRATIONS.
Protective Gloves:GLOVES RECOMMENDED IF SKIN CONTACT IS APPRECIABLE.
Eye Protection:SAFETY GLASSES RECOMMENDED FOR DUST AND WHEN HANDLING MOLTEN METAL.
Other Protective Equipment:PROTECTIVE CLOTHING RECOMMENDED IF SKIN CONTACT IS APPRECIABLE. A SHOWER IS RECOMMENDED IF

SIGNIFICANT DUST
EXPOSURE OCCURS.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. WASH THOROUGHLY AFTER HANDLING AND BEFORE
EATING.AVOID INHALATIONOR INGESTION.

Supplemental Safety and Health

ROSIN AND CLEAN CORE 1%SIN/99%PB TO 99%SIN/1% PB WITH OR WITHOUT
SILVER. ASTM B 32 OR SN63WRMAP2.

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

HCC:N1

Boiling Pt:B.P. Text:METAL >1300C;ROSIN=106

Melt/Freeze Pt:M.P/F.P Text:

METAL=179-312C;250C-CORE

Spec Gravity:7.3-11.3(METAL);ROSIN=1.1

Solubility in Water:INSOLUBLE

Appearance and Odor:SILVER-WHITE METAL, CORE HAS SLIGHT ROSIN ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS MAY CAUSE VIOLENT REACTION.

Stability Condition to Avoid:NOT APPLICABLE.

Hazardous Decomposition Products:AT TEMPERATURES ABOVE THE MELTING
POINT, TOXIC FUMES OR VAPORS MAY BE EMITTED.

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= Toxicological Information =====

Toxicological Information:THIS PRODUCT HAS NOT BEEN LISTED AS A SUSPECT
CARCINOGEN BY NTP, IARC, OR OSHA.

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

Waste Disposal Methods:DISPOSER MUST COMPLY WITH LOCAL, STATE AND
FEDERAL DISPOSAL OR DISCHARGE LAWS. IF HAZARDOUS UNDER 40 CFR 261,
SUBPARTS B AND C, MATERIAL MUST BE TREATED OR DISPOSED IN A
FACILITY MEETING THE REQUIREMENTS OF 40 CFR 254 OR 265. IF

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ON-HAZARDOUS, MATERIAL SHOULD BE DISPOSED, DISPOSE IN A FACILITY
MEETING THE REQUIREMENTS OF 40 CFR 257.

===== MSDS Transport Information =====

Transport Information:NOT REGULATED BY DOT.

===== Regulatory Information =====

SARA Title III Information:SARA TITLE III SECTION 313 CHEMICAL:
LEAD; SILVER.

Federal Regulatory Information:RCRA STATUS OF UNUSED MATERIAL: IF
DISCHARGED IN UNALTERED FORM, MATERIAL SHOULD BE
TESTED TO
DETERMINE IF IT MUST BE CLASSIFIED AS A HAZARDOUS WASTE FOR
DISPOSAL PURPOSES. UNDER SPECIFIC CIRCUMSTANCES, APPLICATION CAN
BE MADE TO THE EPA ADMINISTRATOR TO HAVE A PARTICULAR WASTE
DESIGNATED NON-HAZARDOUS.

===== Other Information =====

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