

BOW SOLDER PRODUCTS CO INC -- ROSIN CORE SOLDER -- 3439-00-438-6292

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

Product ID:ROSIN CORE SOLDER

MSDS Date:02/14/1991

FSC:3439

NIIN:00-438-6292

MSDS Number: BLFFM

=== 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:201-686-6040/800-526-4496

Emergency Phone Num:800

-535-5053/800-526-4496

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: 0 - 100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF75

25000  
Fraction by Wt: 0 - 100%  
Other REC Limits:NONE SPECIFIED  
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: < 2%  
Other REC Limits:NONE SPECIFIED  
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:ROSIN ACID  
CAS:8050-09-7  
Fraction by Wt: 1 - 3%  
Other REC Limits:NONE SPECIFIED

Ingred Name:COPPER (SARA III)  
CAS:7440  
-50-8  
RTECS #:GL5325000  
Fraction by Wt: < 2%  
Other REC Limits:NONE SPECIFIED  
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

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-SEVERE SHORT-TERM OVEREXPOSURE  
MAY LEAD TO CNS DISORDERS,CHARACTERIZED BY  
DROWSINESS,SEIZURES,

COMA+DEATH.IT SHOULD BE RECOGNIZED THAT EXPOSURES OF THIS MAGNITUDE IN AN INDUSTRIAL ENVIRONMENT ARE EXTREMELY UNLIKELY.CHRONIC-SYSTEMIC LEAD POISONING,GI DISORDERS,JOINT & MUSCLE PAIN,KIDNEY DYSFUNCTION.

Effects of Overexposure:METALLIC TASTE IN THE MOUTH,ANEMIA,INSOMNIA,WEAKNESS,CONSTIPATION,ABDOMINAL PAIN,GI DISORDERS,MUSCULAR WEAKNESS,JOINT & MUSCULE PAIN,REDUCED FERTILITY IN BOTH MEN & WOMEN,DAMAGE TO THE BLOOD FORMING,N ERVOUS,KIDNEYS & REPRODUCTIVE SYSTEMS,DAM AGE TO THE FETUS OF EXPOSED PREGNANT WOMEN.

Medical Cond Aggravated by Exposure:DISEASE OF THE BLOOD AND BLOOD FORMING ORGANS, KIDNEYS, NERVOUS AND POSSIBLY REPRODUCTIVE SYSTEMS

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

First Aid:SEEK MEDICAL ATTENTION IN ALL CASES.EYES:FLUSH WITH WATER FOR 15 MINUTES.SKIN:FLUSH WITH WATER IMMEDIATELY.TREAT FOR BURNS.INHALATION:REMOVE TO FRESH AIR.SUPPORT RESPIRATION IF REQUIRED.INGESTION:CALL A PHYSICIAN IMMEDIATELY

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

Flash Point:CORE 300F

Extinguishing Media:DRY SAND, DRY CHEMICAL. DO NOT USE WATER ON FIRE WHERE MOLTEN METAL IS PRESENT.

Fire Fighting Procedures:USE SELF CONTAINED BREATHING APPARATUS ABOVE 1000 C (1832 F).

Unusual Fire/Explosion Hazard:MOLTEN METALS PRODUCE FUME OR VAPOR THAT MAY BE TOXIC AND/OR RESPIRATORY IRRITANT. REACTS VIOLENTLY WITH OXIDIZING AGENTS.

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

Spill Release Procedures:COLLECT AND USE.IF CONTAMINATED OR IN SMALL PARTICLES,VACUUM OR COLLECT MATERIAL.NEVER USE METHODS WHICH GENERATE DUST (COMPRESSED AIR FOR CLEANING). USE APPROVED RESPIRATORY PROTECTION WHERE DUSTS/FU MES ARE PRESENT.

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

Handling and Storage Precautions:STORAGE-STORE AWAY FROM OXIDIZING MATERIALS.

Other Precautions:AVOID CONTACT WITH FUMES AND DUST.OVERHEATING OF A

LLOY CAN PRODUCE METAL FUMES AND OXIDES.GRINDING,SAWING OR BUFFING  
CAN GENERATE AIRBORNE PARTICULATE.WORK IN WELL VENTILATED AREA.

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

Respiratory Protection:ABOVE TLV, 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 LE SS THAN 0/05 MG/CU M.

Ventilation:LOCAL EXHAUST

Protective

Gloves:HEAT RESISTANT DURING SOLDERING

Eye Protection:GOGGLES/FACE SHIELD DURING SOLDERING

Other Protective Equipment:AS REQUIRED TO AVOID CONTACT.

Work Hygienic Practices:WASH AFTER USE. FOLLOW GOOD INDUSTRIAL HYGIENIC  
PRACTICE.

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:B.P. Text:>2372F

Spec Gravity:7.3 - 11.3

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 OXIDIZING AGENTS MAY CAUSE VIOLENT REACTION.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:TOXIC FUMES OR VAPORS ABOVE THE  
MELTING POINT

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

Waste Disposal Methods:NEVER DISPOSE OF IN TRASH. HOLD FOR RECYCLING OR  
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE & LOCAL  
REGULATIONS. IF DI

SCARDED IN UNALTERED FORM, MATERIAL SHOULD BE  
TESTED TO DETERMINE IF IT MUST BE CLASSIFIED AS A HAZARDOUS WASTE  
FOR 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 America 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.