

BOW SOLDER PRODUCTS CO INC -- SOLDER;TIN/LEAD SOLDER -- 3439-01-074-9983

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Product Identification
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Product ID:SOLDER;TIN/LEAD SOLDER
MSDS Date:03/01/1991
FSC:3439
NIIN:01-074-9983
MSDS Number: BSHML
=== 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
Emergency Phone Num:201-68
6-6040/800-535-5053(CHEMTREC)
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:NATIONAL TORCH TIP CO INC.
Address:50 FREEPORT RD
City:PITTSBURGH
State:PA
ZIP:15215-2906
Country:US
Phone:412-781-4200
CAGE:93009

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Composition/Information on Ingredients
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Ingred Name:LEAD (SARA III)
CAS:7439-92-1
RTECS #:O

F7525000
Fraction by Wt: 1-99%
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:TIN
CAS:7440-31-5
RTECS #:XP7320000
Fraction by Wt: 1-99%
Other REC Limits:NONE SPECIFIED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9192

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

LD50 LC50 Mixture:NOT PROVIDED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenic
ity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:LEAD POISONING AFTER LONG-TERM EXTREME
EXPOSURE FROM INGESTION AND/OR INHALATION OF COMPOUNDS OR FUMES.
MAY CAUSE RESPIRATORY IRRITATION, EYE IRRITATION, SKIN IRRITATION.
Explanation of Carcinogenicity:DATA PER MSDS. LEAD IS LISTED BY NTP AND
IARC AS A CARCINOGEN.
Effects of Overexposure:SHORT TERM EXPOSURE TO WELDING FUMES, GASES OR
DUST MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA, FEVER,
DRYNESS AND/OR IR
RITATION OF NOSE, THROAT AND EYES. LEAD POISONING
MAY RESULT IN METALLIC TASTE, ABDOMINAL PAIN, NAUSEA, JOINT PAIN,
WEAKNESS, MENTAL CONFUSION, LINES ON GUMS.
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:IN CASE OF ELECTRICAL SHOCK, TURN OFF POWER PRIOR TO REMO

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FROM EXPOSURE AREA AND ADMINISTRATION OF 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:NONE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:NOT

FLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:IN EXTREMELY HIGH TEMPERATURE FIRES, LEAD MAY EMIT TOXIC FUMES. USE A SELF-CONTAINED RESPIRATORY SYSTEM.

Unusual Fire/Explosion Hazard:MODERATE HAZARD WHEN HIGH CONCENTRATION OF VERY FINE METALLIC DUST IS EXPOSED TO HIGH HEAT OR OPEN FLAMES.

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

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUES AND PLACE IN SUITABLE DO

T APPROVED CONTAINERS AND DISPOSE OF IN

FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. AVOID INHALATION AND SKIN EXPOSURE.

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

Handling and Storage Precautions:WEAR GLOVES AND FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING OR WELDING.

Other Precautions:PROVIDE PROTECTIVE SCREENS TO SHIELD OTHERS. WHEN ELECTRODES AND FLUXES ARE CONSUMED,

THE FUME AND GAS DECOMPOSITION

PRODUCTS GENERATED ARE DIFFERENT IN FORM FROM THE INGREDIENTS LISTED. NEW COMPOUNDS NOT IN THE ELECTRODES MAY FORM.

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

Respiratory Protection:USE WELD FUME RESPIRATOR OR AIR SUPPLIED

RESPIRATOR WHEN CUTTING, GRINDING OR WELDING IN A CONFINED SPACE OR WHERE LOCAL EXHAUST OR GENERAL VENTILATION DOES NOT KEEP EXPOSURE BELOW RECOMMENDED LIMITS. USE ONLY NIOSH APPROVED RESPIRATORS.

Ventilation:USE ENOUGH VENTILATION WHEN CUTTING, GRINDING OR WELDING TO KEEP THE DUST, FUMES & GASES FROM THE WORKERS BREATHING ZONE

Protective Gloves:WELDERS LEATHER GLOVES

Eye Protection:OSHA APPROVED GOGGLES/FACE SHIELD W/LENS

Other Protective Equipment:FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING OR WELDING.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING OR SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE RE USE.

Supplemental Safety and Health

WELDING AND HOT CUTTING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. THEIR COMPOSITION AND QUANTITY ARE DEPENDENT ON THE METAL BEING WELDED, THE PROCEDURES, PROCESSES AND THE TYPE OF WIRE OR ELECTRODES USED. OTHER INFLUENCING FACTORS ARE THE PRESENCE OF CONTAMINANTS. CHLORINATED SOLVENTS MAY DECOMPOSE TO TOXIC GASES.

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

HCC:N1

Boiling Pt:B.P. Text:1700F,927C

Vapor Pres:NONE

Vapor

Density:NOT GIVEN

Spec Gravity:7.3-11.3

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:INSOLUBLE

Appearance and Odor:METALLIC COLOR, SOLID-GREY TO SHINY SILVERY GREY

Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES

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

Stability Condition to Avoid:HIGH TEMPERATURES

Hazardous Decomposition Products:TEMPERATURE ABOVE THE MELTING POINT

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MAY EMIT TOXIC FUMES.

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

Waste Disposal Methods:SCRAP DRIPPINGS AND DROPPINGS SHOULD BE STORED IN A CLOSED CONTAINER AND RETURNED TO A LEAD RECYCLER. FOLLOW FEDERAL, STATE AND LOCAL REGULATIONS REGARDING DISPOSAL.

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