

R & D METALS AND CHEMICALS INC -- 63SN/37PB, SOLDER, LEAD-TIN ALLOY -- 3439-00-153-4280
===== Product Identification =====

Product ID:63SN/37PB, SOLDER, LEAD-TIN ALLOY
MSDS Date:04/28/1998
FSC:3439
NIIN:00-153-4280
Status Code:A
MSDS Number: CLDXP
=== Responsible Party ===
Company Name:R & D METALS AND CHEMICALS INC
Address:201 PERIMETER PK SUITE C
Box:22533
City:KNOXVILLE
State:TN
ZIP:37922-223
3
Country:US
Info Phone Num:865-531-6065/800-645-7476
Emergency Phone Num:865-531-6065
CAGE:56406
=== Contractor Identification ===
Company Name:R & D METALS & CHEMICALS, INC
Address:201C PERIMETER PARK
Box:22533
City:KNOXVILLE
State:TN
ZIP:37922-2233
Country:US
Phone:423-531-6065 / FAX: 423-531-2044
Contract Num:SP0490-96-M-Z997
CAGE:56406

===== Composition/Information on Ingredients =====

Ingred Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
= Wt:63.
OSHA PEL:2 MG/M3
ACGIH TLV:2

MG/M3

Ingred Name:LEAD

CAS:7439-92-1

RTECS #:OF7525000

= Wt:37.

OSHA PEL:.05 MG/M3

ACGIH TLV:0.15 MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Health Hazards Acute and Chronic:TIN: ELEMENTAL TIN IS NOT GENERALLY
CONSIDERED TO BE TOXIC. LEAD: CHRONIC EXPOSURE TO HIGH LEVELS OF
AIRBORNE OR INGESTED LEAD MAY RESULT IN ANEMIA, INSOMNIA, WEAKNESS,
CONSTIPATION, NAUSEA,
ABDOMINAL CRAMPS. NOTE: IT IS UNLIKELY THAT
NORMAL EXPOSURE TO THIS SOLDER, WHILE USING APPROPRIATE PROTECTIVE
EQUIPMENT, WOULD RESULT IN ILLNESS.

Effects of Overexposure:FLU-LIKE SYMPTOMS (NAUSEA, CONSTIPATION,
HEADACHE, DIZZINESS)-SELF-LIMITING. USUALLY DISAPPEAR WITHIN 24
HOURS.

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

First Aid:INGESTION: DRINK LARGE QUANTITIES OF WATER-INDUCE VOMITING.
CALL A PHYSICIAN AT ONCE, ADVISE OF CHEMICAL COMPOSITI
ON. SKIN:
WASH THOROUGHLY WITH WATER TO REMOVE ALL RESIDUE. IF A RASH
DEVELOPS, CALL A PHYSICIAN. INHALATION: TERMINATE EXPOSURE AND
REMOVE TO FRESH AIR. CALL PHYSICIAN, ADVISE OF CHEMICAL
COMPOSITION. EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES TO
REMOVE IRRITANT. CONSULT A PHYSICIAN.

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

Extinguishing Media:CO2 OR DRY CHEMICAL EXTINGUISHER. DO NOT USE WATER
ON MOLTEN METAL. LARGE FIRES MAY BE FLOOD

ED WITH WATER FROM A
DISTANCE.

Fire Fighting Procedures:USE NIOSH/MSHA-APPROVED SELF-CONTAINED
BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING IF INVOLVED IN
FIRE.

Unusual Fire/Explosion Hazard:FINELY DIVIDED DUST MAY FORM EXPLOSIVE
MIXTURE WITH AIR. NEVER DROP WATER OR LIQUIDS INTO MOLTEN SOLDER.
DO NOT PLUNGE DAMP OR WET SOLDER BARS/PIECES INTO MOLTEN SOLDER.

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

Spill Release Procedures:SOLDER IS SOLID/RECYCLABLE. VACUUMING IS
RECOMMENDED FOR ACCUMULATED METAL DUST FROM SAW/GRINDING
OPERATIONS.

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

Handling and Storage Precautions:DRY STORAGE; AMBIENT TEMPERATURE. WET
OR MOIST INGOT(S) WILL PRESENT AN EXPLOSION HAZARD WHEN SUBMERGED
IN MOLTEN SOLDER. ALWAYS PREHEAT INGOT BEFORE CHARGING INTO
FURNACE. AVOID FIRE RISK.

Other Precautions:GOOD HOUSEKEEPING PROCEDURES SHOULD BE MAINTAINED.
PERSONNEL SHOULD WASH THOROUGHLY BEFORE SMOKING OR EATING FOOD AND
DRINK SHOULD NOT BE CONSUMED OR TOBACCO PRODUCTS USED. NOR
COSMETICS APPLIED IN AREAS WHERE EXPOSURES EXIST.

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

Respiratory Protection:USE NIOSH APPROVED BREATHING APPARATUS TO
PREVENT EXPOSURE TO DUSTS AND FUMES.

Ventilation:LOCAL EXHAUST, MECHANICAL, SPECIAL: CONFORM WITH YOUR
REGULATORY STATUTES.

Protective Gloves:FOR HIGH TEMPERATURE APPLICATIONS TO PREVENT BURNS.
Eye Protection:SAFETY GLASSES OR WELDING GOGGLES

Other Protective Equipment:STANDARD PROTECTIVE EQUIPMENT USED IN
SOLDERING (APPLICATION) OPERATIONS. CONFORM WITH ALL LOCAL, STATE,
FEDERAL REGULATIONS.

Work Hygienic Practices:PERSONNEL SHOULD WASH THOROUGHLY BEFORE SMOKING
OR EATING FOOD AND DRINK SHOULD NOT BE CONSUMED OR TOBACCO PRODUCTS
USED, NOR COSMETICS APPLIED IN AREAS WHERE EXPOSURES EXIST.

Supplemental Safety and Health

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

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HCC:N1
Boiling Pt:B.P. Text:NA1F
Melt/Freeze Pt:=182.8C, 361.F
Spec Gravity:.3178
Solubility in Water:0 (SOLID)
Appearance and Odor:SILVER METAL, ODORLESS/VARIOUS SHAPES AND SIZES.

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

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS, STRONG ALKALIS.
Stability Condition to Avoid:NONE
Hazardous Decomposition Products:NONE
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF ACCORDING TO FEDERAL, STATE, LOCAL AND OSHA REGULATIONS.

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

Transport Information:NOT REGULATED FOR TRANSPORTATION.

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

SARA Title III Information:THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF EPCRA OF 1986:
37% LEAD (7439-92-1)

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

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