

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 Co  
nsiderations =====

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 =====

Disclaimer (provided with this information by the compiling agencies):  
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