

R & D METALS & CHEMICALS INC -- 63SN/37PB -- 3439-01-390-4594

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Product Identification  
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Product ID:63SN/37PB  
MSDS Date:04/28/1998  
FSC:3439  
NIIN:01-390-4594  
Status Code:A  
MSDS Number: CJXMG  
=== Responsible Party ===  
Company Name:R & D METALS & CHEMICALS INC  
Address:201 PERIMETER PK SUITE C  
City:KNOXVILLE  
State:TN  
ZIP:37922  
Country:US  
Info Phone Num:800-645-7476/423-531-6065  
Emergency Phon  
e Num:201-434-6778  
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:SP0490-98-M-BS47  
CAGE:56406

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Composition/Information on Ingredients  
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Ingred Name:LEAD (SARA III)  
CAS:7439-92-1  
RTECS #:OF7525000  
= Wt:37.  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.05 MG/M3;1910.1025  
ACGIH TLV:0.15 MG/M3;D

UST 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:TIN  
CAS:7440-31-5  
RTECS #:XP7320000  
= Wt:63.  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9192

===== 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 ANERNIA, INSOMMNI

A,  
WEAKNESS, CONSTIPATION, NAUSEA, ABDOMI NAL. NOTE: IT IS UNLIKELY  
THAT NORMAL EXPOSURE TO THIS SOLDER WHILE USING APPROPRIATE  
PROTECTIVE EQUIPMENT, WOULD RESULT IN ILLNESS.

Effects of Overexposure:FLUE-LIKE SYMPTOMS (NAUSEA, CONSTIPATION,  
HEADACHE, DIZZINESS)- SELF-LIMITING, USUALLY DISAPPEAR WITHIN 24  
HOURS. CHRONIC EXPOSURE TO HIGH LEVELS OF AIRBORNE OR INGESTED LEAD  
MAY RESULT IN ANERNIA, INSOMINIA, WEAKNESS, CONSTIPATION,  
NAUSEA, ABDOMINAL.

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

First Aid:INGESTION: DRINK LARGE QUANTITIES OF WATER. INDUCE VOMITING.  
GET MEDICAL ATTENTION. ADVISE OF CHEMICAL COMPOSITION. 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 PHY SICIAN.

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Fire Fighting Measures  
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Flash Point:NONE

Extinguishing Media:CO2 OR DRY CHEMICAL EXTINGUISHER. DO NOT USE WATER ON MOLTEN METAL. LARGE FIRES MAY BE FLOODED WITH WATER FROM A DISTANCE.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT WHEN FIGHTING FIRES.

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.

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

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Handling and Storage  
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Handling and Storage Precautions:DRY STORAGE: AMBIENT TEMPERATURE.

Other Precautions:WET OR MOIST INGOTS WILL PRESENT AN EXPLOSION HAZARD

WHEN SUBMERGED IN MOLTEN SOLDER ALWAYS PREHEAT INGOT BEFORE CHARGING INTO FURNACE.

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Exposure Controls/Personal Protection  
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Respiratory Protection:USE NIOSA APPROVED BREATHING APPARATUS TO PREVENT EXPOSURE TO DUSTS AND FUMES.

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

Protective Gloves:PROTECTIVE GLOVES ARE RECOMMENDED FOR HIGH TEMPERATURE APPLICATIONS.

Eye Protection:WEAR APPROVED SAFETY GLASSES OR WELDING GOGGLES, APPROPRIATE TO YOUR PROCEDURE.

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

Work Hygienic Practices:GOOD HOUSEKEEPING PROCEDURES SHOULD BE MAINTAINED. WASH 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  
OVER EXPOSURE TO TH

IS SOLDER WILL NOT OCCUR IF APPROPRIATE PROTECTIVE  
EQUIPMENT IS USED.

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

HCC:N1

Boiling Pt:B.P. Text:NONE

Melt/Freeze Pt:=183.C, 361.4F

Vapor Pres:ONLY >500 C

Spec Gravity:.3178

Solubility in Water:SOLID

Appearance and Odor:SILVER-GRAY METAL, ODORLESS, VARIOUS SHAPES AND  
SIZES.

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

Stability Indicator/Materials to Avoid:YES  
STRONG ACIDS AND STRONG ALKALIS.

Stability Condition to Avoid:NONE  
Hazardous Decomposition Products:NONE  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:TOXIC SUBSTANCE CONTROL ACT: ARA TITLE III  
PROGRAM: THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS  
SUBJECT TO THE TOXIC CHEMICALS SUBJECT TO THE REPORTING  
REQUIREMENTS OF EPCRA O 1986 AND 40 CFR ST2: LEAD, CAS #  
7439-92-1, CONCENTRATION: 37%.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE,  
LOCAL AND OSHA REGULATIONS.

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

Transport Information:NOT REGULATED BY D.O.T. FOR TRANSPORTATION.

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

SARA Title III Information:CONTAINS 37% LEAD.

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