

R & D METALS & CHEMICALS INC -- 63SN/37PB -- 3439-01-074-5699

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

Product ID:63SN/37PB

MSDS Date:04/28/1998

FSC:3439

NIIN:01-074-5699

MSDS Number: CJKYM

=== 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 Phone Num:423-531-

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:SP0490-99-M-W516

CAGE:56406

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

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 37%

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: 63.0%
Other REC Limits:NONE SPECIFIED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9192

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

LD50 LC50 Mixture:UNCLASSIFIED WELDING FUMES=5MG/M3 PEL
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:SHORT TERM EXPOSURE TO WELDING FUMES,
GASES OR DUST MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS,
NAUSEA, ANEMIA, INSOMINIA OR ABDOMINAL PAIN. OVEREXPOSURE TO LEAD FUMES MAY DAMAGE BLOOD FORMING, NERVOUS, INTESTINAL AND URINARY SYSTEM. CHRONIC: LEAD CAN CAUSE POTENTIAL INJURY TO DEVELOPING FETUS AND POSSIBLE REPRODUCTION, BRAIN AND KIDNEY DAMAGE.
Explanation of Carcinogenicity:NONE OF THE METALS IN THIS WELDING ROD ARE CONFIRMED AS HUMAN CARCINOGENS AT THIS TIME BY NTP,IARC, OR OSHA.
Effects of Overexposure:LE
AD: EXPOSURE TO HIGH LEVELS OF AIRBORNE OR INGESTED LEAD MAY CAUSE DIZZINESS, NAUSEA, ANEMIA INSOMINIA, CONSTIPATION, HEADACHE.
Medical Cond Aggravated by Exposure:SOME WORKERS MAY BE AFFECTED BY A PRE-EXISTING CONDITION OF BLOOD, KIDNEY, NERVOUS AND POSSIBLY REPRODUCTION SYSTEMS AND PRE-EXPOSURE TO LEAD.

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

First Aid:IN CASE OF ELECTRICAL SHOCK, TURN OFF POWER PRIOR TO REMOVAL FROM EXPOSURE AREA. INHALATION :REMOVE FROM EXPOSURE AREA AND CALL FOR MEDICAL AID. ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. INGESTION:U NLIKELY, CALL A PHYSICIAN OR POISON CONTROL CENTER AT ONCE. SKIN:FOR HOT METAL BURNS, COOL WITH WATER AND GET MED HELP. AFTER HANDLING WLDING RODS, WASH WITH SOAP AND WATER. EYES:FLUSH WITH WATER FOR ATLEAST 15 MINUTES TO REMOVE IRRITANTS. GET MED ATTN.

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

Flash Point:NONE
Extinguishing Media:US

E WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL.

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

Unusual Fire/Explosion Hazard:NEVER DROP WATER OR LIQUIDS INTO MOLTEN
SOLDER. DO NOT PLUNGE DAMP OR WET BARS/PIECES INTO MOLTEN SOLDER.
WHEN HEATED TO HIGH TEMPERATURE, LEAD EMITS HIGHLY TOXIC FUMES.

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

Spill Release Procedure

s:WEAR APPROPRIATE PROTECTIVE GEARS DURING
CLEAN-UP. AVOID CREATING DUST. CLEAN UP ANY GRINDING DUST OR WASTE
RESIDUES BY VACUUMING AND WASHING. PLACE WASTE IN SUITABLE DOT
APPROVED CONTAINERS. DO NOT USE DRY SWEEPING OR COMPRESSED AIR TO
CLEAN AREA.

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

Handling and Storage Precautions:WEAR GLOVES WHEN HANDLING WELDING
RODS. STORE AT ROOM TEMP. WASH HAND AFTER HANDLING.

Other Precautions:PROVIDE PROTECTIVE SC
REENS TO SHIELD OTHERS. WHEN

ELECTRODES AND FLUXES ARE CONSUMED, THE FUME AND GAS DECOMPOSITION
PRODUCTS GENERATED ARE DIFFERENT IN FORMS THAN FROM THE INGREDIENTS
LISTED. AVOID INHALING FUMES. WEAR GLOVES AND FLAME RETARDANT
CLOTHING WHEN CUTTING, GRINDING OR WELDING.

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

Respiratory Protection:USE WELDING 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:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR MECHANICAL
EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW OSHA PEL.

Protective Gloves:PROTECTIVE WELDERS 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.

LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. DO NOT CONSUME FOOD OR USE COSMETICS IN WORK AREA.

Supplemental Safety and Health

OVER EXPOSURE TO THIS SOLDER WILL NOT OCCUR IF APPROPRIATE PROTECTIVE EQUIPMENT IS USED.

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

HCC:N1

Boiling Pt:B.P. Text:NONE

Solubility in Water:INSOLUBLE

Appearance and Odor:SILVER-GRAY METAL, ODORLESS, VARIOUS SHAPE

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS AND STRONG ALKALIS.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:LEAD OXIDE AND ANTIMONY OXIDE FUME MAY BE EVOLVED AT TEMPERATURES GREATER THAN 1000F(538C)

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

Waste Disposal Methods:SCRAP OR WASTE SOLDER SHOULD BE RECYCLED OR STORED IN SEALED CONTAINERS FOR LATER USE. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE & LOCAL REGULATIONS.

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

SARA Title III Information:CONTAINS 37% LEAD.

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 i

ts 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.