

R & D METALS AND CHEMICALS INC -- 60/40 ROSIN CORE WIRE SOLDER -- 3439-00-269-9610  
===== Product Identification =====

Product ID:60/40 ROSIN CORE WIRE SOLDER  
MSDS Date:06/25/1997  
FSC:3439  
NIIN:00-269-9610  
Status Code:A  
MSDS Number: CJWDL  
=== Responsible Party ===  
Company Name:R & D METALS AND CHEMICALS INC  
Address:201C PERIMETER PARK  
Box:22533  
City:KNOXVILLE  
State:TN  
ZIP:37922  
Country:US  
Info P  
hone Num: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-W520  
CAGE:56406

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

Ingred Name:TIN  
CAS:7440-31-5  
RTECS #:XP7320000  
Minimum % Wt:50.  
Maximum % Wt:70.  
ACGIH TLV:2 MG/M3

Ingred Name:LEAD

CAS:7439-92-1  
RTECS #:OF7525000  
Minumum % Wt:30.  
Maxumum % Wt:50.  
ACGIH TLV:0.15 MG/M3  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:ROSIN  
CAS:8050-09-7  
RTECS #:VL0480000  
Minumum % Wt:0.  
Maxumum % Wt:3.  
OSHA PEL:10 MG/M3

Ingred Name:TRADE SECRET  
&lt; Wt:.6

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

LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Health Hazards Acute and Chronic:EYE:DUST OR FUME COULD BE IRRITAN  
T TO

EYES NOSE & THROAT. SKIN:NOT A ROUTE OF ENTRY INTO BODY. INGESTION:  
LEAD IS TOXIC AND CUMULATIVE, AFFECTING KIDNEYS, REPRODUCTIVE AND  
NERVOUS SYSTEM. INHALATION: MAY CAUSE IRRITATION OF NOSE AND  
BRONCHIAL TRACT, AND EFFECTS DUE TO ABSORPTION OF LEAD INTO BLOOD  
STREAM.

Explanation of Carcinogenicity:NOT SPECIFIED BY MANUFACTURER

Effects of Overexposure:EYE, NOSE ; THROAT:IRRITATION.

INGESTION:(LEAD): ANEMIA, INSOMNIA, WEAKNESS, IRRITABILITY,  
CONSTIPATION AND STOM

ACH PAINS ; (TIN) FEVER, NAUSEA, STOMACH

CRAMPS OR DIARRHEA. INHALATION: IRRITATION OF N OSE AND BRONCHIAL  
TRACTS.

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

First Aid:EYES:FLUSH WITH WATER 15 MINUTES. SKIN:WASH THOROUGHLY WITH  
SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. INGESTION:INDUCE  
VOMITING IF PERSON IS CONSCIOUS. GET MEDICAL ATTENTION. INHALATION:  
REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.

===== Fire Fighting Measures

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Flash Point Method:CC  
Flash Point:=176.7C, 350.F  
FLUX ONLY

Fire Fighting Procedures:IF METAL IS PRESENT WHERE THERE IS A FIRE,  
WEAR SELF-CONTAINED BREATHING APPARATUS IN CASE OF POISONOUS LEAD  
FUMES.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:ALLOW TO SOLIDIFY AND COLLECT IN SEALED DRUMS  
FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED

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

Handling and Storage Precautions:STORE IN DRY CONDITION.  
Other Precautions:LEAD IS REGULATED UNDER OSHA 29CFR 1910.1025. NO FOOD  
OR DRINK SHOULD BE ALLOWED IN AREAS WHERE THESE PRODUCTS ARE  
HANDLED. PERSONNEL MUST WASH THOROUGHLY AFTER HANDLING THE METAL  
BEFORE DRINKING EATING OR SMOKING.

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

Respiratory Protection:RESPIRATORY PROTECTION IS RECOMMENDED BUT ONLY  
REQUIRED IF TLVS ARE EXCEEDED.USE A NIOSH/MSHA APPROVED RESPIRATOR  
FOR TOXIC DUST AND OR FUMES. SEE 29CFR 1910.1025, SUBPART (F) OF  
OSHA'S LEAD STANDARD.

Ventilation:MECHANICAL VENTILATION

Protective Gloves:NOT NORMALLY NEEDED. WEAR WELDING GLOVES DURING  
SOLDERING.

Eye Protection:SAFETY GLASSES DURING SOLDERING

Other Protective Equipment:WEAR PROTECTIVE EQUIPMENT DURING SOLDERING.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING/DRINKING/SMOKING  
& AT END OF WORKDAY.

Supplemental Safety and Health

AV

OID INHALING METAL FUMES.

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

HCC:N1

Melt/Freeze Pt:=191.1C, 376.F

Vapor Pres:NOT VOLATILE

Vapor Density:N/VOLITILE

Spec Gravity:~7-11

Evaporation Rate & Reference:N/A (NBUAC=1)

Solubility in Water:NIL

Appearance and Odor:SILVER/GRAY COLORED METAL WIRE

Percent Volatiles by Volume:0-4%

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, OXIDIZERS, REDUC

ING AGENTS

Hazardous Decomposition Products:LEAD FUMES AT HIGH TEMPERATURES (ABOVE 800F).

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

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

Transport Information:NOT REGULATED.

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

SARA Title III Information:THIS PRODUCT CONTAINS A CHEMICAL SUBJECT TO SEC 313 OF SARA TITLE III.

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

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