

R & D METALS AND CHEMICALS INC -- ROSIN CORE WIRE SOLDER -- 3439-00-499-5740

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Product Identification
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Product ID:ROSIN CORE WIRE SOLDER
MSDS Date:08/01/2000
FSC:3439
NIIN:00-499-5740
Status Code:A
MSDS Number: CLMLQ
=== Responsible Party ===
Company Name:R & D METALS AND CHEMICALS INC
Address:201 PERIMETER PK SUITE C
Box:22533
City:KNOXVILLE
State:TN
ZIP:37922-2233
Country:US
Info Phone Num:423-531-6065 / FAX: 423-531-2044
Emergency Phone Num:423-531-6065
Preparer's Name:NOT PROVIDED
Chemtrec Ind/Phone:(800)424-9300
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:SP0490-01-M-XB20
CAGE:56406

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Composition/Information on Ingredients
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Ingred Name:TIN
CAS:7440-31-5
RTECS #:

XP7320000
Minumum % Wt:50.
Maxumum % Wt:70.
Other REC Limits:NOT PROVIDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3

Ingred Name:LEAD (CAS # 7439-92-2 IS INVALID.)
CAS:7439-92-1
RTECS #:OF7525000
Minumum % Wt:20.
Maxumum % Wt:50.
Other REC Limits:NOT PROVIDED
OSHA PEL:0.05 MG/M3
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.
Other REC Limits:NOT PROVIDED
OSHA PEL:10 MG/M3
ACGIH TLV:NOT PROVIDED

Ingred Name:TRADE
SECRET
< Wt:6.
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT AVAILABLE
ACGIH TLV:NOT AVAILABLE

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

LD50 LC50 Mixture:NOT PROVIDED
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: DUST OR FUME COULD BE IRRITANT TO
EYES, NOSE & THROAT. SKIN CONTACT: NOT A ROUTE OF ENTRY INTO THE
BODY. SKIN ABSORPTION: NOT A ROUTE OF ENTRY INTO THE BODY.
INGESTION: INGESTION OF DUST OR FUME MUS

T BE AVOIDED. LEAD IS

TOXIC AND CUMULATIVE, AFFECTING THE KIDNEYS, REPRODUCTIVE SYSTEM AND NERVOUS SYSTEM. SYMPTOMS OF CHRONIC OVEREXPOSURE INCLUDE ANEMIA, INSOMNIA, WEAKNESS, IRRITABILITY, CONSTIPATION AND STOMACH PAINS. TIN IS NOT REGARDED AS TOXIC BUT EXCESSIVE EXPOSURE CAN CAUSE FEVER, NAUSEA, STOMACH CRAMPS OR DIARRHEA. INHALATION: INHALATION OF DUST AND FUMES MUST BE AVOIDED. IRRITATION OF NOSE AND BRONCHIAL TRACTS MAY OCCUR.

Explanation of Carcinogenicity:NON

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Effects of Overexposure:EYE: DUST OR FUME COULD BE IRRITANT TO EYES, NOSE & THROAT. SYMPTOMS OF CHRONIC OVEREXPOSURE TO LEAD INCLUDE ANEMIA, INSOMNIA, WEAKNESS, IRRITABILITY, CONSTIPATION AND STOMACH PAINS. TIN IS NOT REGARD ED AS TOXIC BUT EXCESSIVE EXPOSURE CAN CAUSE FEVER, NAUSEA, STOMACH CRAMPS OR DIARRHEA. INHALATION: IRRITATION OF NOSE AND BRONCHIAL TRACTS MAY OCCUR.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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

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

Flash Point Method:CC

Flash Point:=176.7C, 350.F

FLUX ONLY

Extinguishing Media:NOT FLAMMABLE

Fire Fighting Procedures:IF METAL IS PRESENT WHERE THE RE IS A FIRE,

WEAR SELF CONTAINED BREATHING APPARATUS IN CASE OF POISONOUS LEAD FUMES

Unusual Fire/Explosion Hazard:NONE

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

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

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN DRY CONDITIONS

Other Precautions:LEAD USE IS REGULATED UNDER OSHA 29

CFR 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.

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

Respiratory Protection:RESPIRATORY PROTECTION IS RECOMMENDED BUT ONLY REQUIRED IF TLV'S ARE EXCEEDED. USE A NIOSH/MSHA APPROVED RESPIRATOR FOR TOXIC DUST AND/OR FUMES. NOTE: SEE 29CFR1910.1025 SUBPART (F) OF OSHA'S LEAD

STANDARD.

Ventilation:IF FUME OR DUST IS BEING GENERATED, MECHANICAL VENTILATION MUST BE PROVIDED TO MAINTAIN EXPOSURE LEVELS BELOW TLV'S

Protective Gloves:NOT NORMALLY NEEDED

Eye Protection:WEAR SAFETY GLASSES DURING SOLDERING OPERATIONS

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED. CNS = CENTRAL NERVOUS SYSTEM. GI

= GASTROINTESTINAL. SCBA = SELF CONTAINED BREATHING APPARATUS.

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Melt/Freeze Pt:=182.8C, 361.F

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:NOT VOLATILE

Spec Gravity:7-11 APPROX.

Solubility in Water:NIL

Appearance and Odor:SILVER/GRAY COLORED METAL WIRE, SLIGHT ODOR

Corrosion Rate:NOT PROVIDED

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

Stability

Indicator/Materials to Avoid:YES

STRONG ACIDS, OXIDIZERS, REDUCING AGENTS

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

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

Toxicological Information:NOT PROVIDED

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===== Ecological Information =====

Ecological:NOT PROVIDED

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

Waste Disposal Methods:RETURN TO SUPPLIER FOR REPROCESSING

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MSDS Transport Information
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Transport Information:NOT REGULATED

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

Federal Regulatory Information:NOT PROVIDED

State Regulatory Information:NOT PROVIDED

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Other Information
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