

R&D METALS AND CHEMICALS, INC. -- ROSIN CORE WIRE SOLDER 60/40

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MSDS Safety Information
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FSC: 3439
NIIN: 00-269-9610
MSDS Date: 06/25/1997
MSDS Num: CLFFP
Product ID: ROSIN CORE WIRE SOLDER 60/40
MFN: 01
Responsible Party
Cage: UO361
Name: R&D METALS AND CHEMICALS, INC.
Address: 201C PERIMETER PARK
City: KNOXVILLE TN 37922
Info Phone Number: 865-531-6065
Emergency Phone Number: 865-531-6065
Proprietary Ind: Y
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 56406
Name: R & D METALS & CHEMICALS, INC
Address: 201C PERIMETER PARK
Box: 22533
City: KNOXVILLE TN 37922-2233
Phone: 423-531-6065 / FAX: 423-531-2044
Cage: UO361
Name: R&D METALS AND CHEMICALS, INC.
Address: 201
C PERIMETER PARK
City: KNOXVILLE TN 37922
Phone: 865-531-6065

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Item Description Information
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Item Manager: S9G
Item Name: SOLDER, TIN ALLOY
Specification Number: QQ-S-571
Unit of Issue: SL
Quantitative Expression: 00000000016OZ
UI Container Qty: 1
Type of Container: SPOOL

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data

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Route Of Entry Inds - Inhalation: YES

Skin: NO

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: 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 M

UST 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. (SIGN & SYMPTOMS OF OVEREXPOSURE)

Signs And Symptoms Of

Overexposure: N/P. HEALTH HAZARDS ACUTE AND CHRONIC

(CONT): IRRITATION OF NOSE AND BRONCHIAL TRACTS MAY OCCUR AS WELL AS EFFECTS DUE TO ABSORPTION OF LEAD, ETC. IN BLOOD STREAM. SYSTEMIC & OTHER EFFECTS: UNK.

First Aid: EYES: 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: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION. NOTE TO PHYS

ICIAN: N/A.

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Handling and Disposal

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

Handling And Storage Precautions: STORAGE: STORE IN DRY CONDITIONS. HANDLING INFORMATION: LEAD USE IS REGULATED UNDER OSHA 29 CFR1910.1025. NO FOOD OR DRINK SHOULD BE ALLOWED IN AREAS WHERE THESE PRODUCTS ARE HANDLED. PERSONNEL MUST WASH THOROUGHLY AFTER HAN

DLING THE METAL BEFORE DRINKING, EATING OR
SMOKING.

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Fire and Explosion Hazard Information
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Flash Point Method: CC

Flash Point: =176.7C, 350.F

Flash Point Text: FLUX ONLY

Extinguishing Media: MEDIA SUITABLE FOR SURROUNDING FIRE (FP N).

Fire Fighting Procedures: IF METAL IS PRESENT WHERE THERE IS A FIRE, WEAR
SELF-CONTAINED BREATHING APPARATUS (NIOSH APPROVED - FP N) IN CASE OF
PO

ISONOUS LEAD FUMES.

Unusual Fire/Explosion Hazard: SPECIAL PRECAUTIONS: NONE

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Control Measures
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Respiratory Protection: RESPIRATORY PROTECTION IS RECOMMENDED BUT ONLY REQUIRED
IF TLV'S ARE EXCEEDED. USE A NIOSH APPROVED RESPIRATOR FOR TOXIC DUST AND/OR
FUMES. NOTE: SEE 29CFR1910.1025. SUBPART(1) OF OSHA'S LEAD STANDARD .

Ventilation: IF FUME OR DUST IS BEING GENERATED, MECHANICAL VE
NTILATION MUST BE

PROVIDED TO MAINTAIN EXPOSURE LEVELS BELOW TLV"S.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: WEAR (ANSI APPROVED - FP N) SAFETY GLASSES DURING SOLDERING
OPERATIONS.

Other Protective Equipment: EYE WASH AND DELUGE SHOWER MEETING ANSI DESIGN
CRITERIA (FP N). OTHER: N/A.

Supplemental Safety and Health: PHYSICAL AND CHEMICAL PROPERTIES (CONT): VAPOR
DENSITY (AIR IS 1): NOT VOLATILE. SPECIFIC GRAVITY: 7-11 APPROX., DEPENDING
ON COMPOSITION. FLASH POINT
(CONT): NOT FLAMMABLE (FLUX ONLY 350 F).

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

M.P/F.P Text: MELTING PT (APPROX)

Vapor Pres: NOT VOLATILE

Vapor Density: NOT VOL

Spec Gravity: 7-11 APPROX., (SUPP SFTY)

Solubility in Water: NIL

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

Percent Volatiles by Volume: 0-4%

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Reactivity Data

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Stability Indicator: YES

Materials To Avoid: STRONG ACIDS, OXIDIZERS, REDUCING AGENTS.

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

Hazardous Polymerization Indicator: NO

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Toxicological Information

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Ecol

ogical Information

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MSDS Transport Information

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Transport Information: PROPER SHIPPING NAME: NOT REQUIRED. UN NUMBER: N/A. NA NUMBER: N/A. DOT EXEMPTION NO: N/A. HAZARD CLASSES: N/A.

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Regulatory Information

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

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Other Information

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HAZCOM Label

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Product ID: ROSIN CORE WIRE SOLDER 60/40

Cage: UO361

Assigned IND: Y

Company Name: R&D METALS AND CHEMICALS, INC.

Street: 201C PERIMETER

PARK

City: KNOXVILLE TN

Zipcode: 37922

Health Emergency Phone: 865-531-6065

Label Required IND: Y

Date Of Label Review: 06/18/2001

Status Code: A

Origination Code: G

Hazard And Precautions: 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 MUST BE AVOIDED. LEAD IS TOXIC AND CUMULATIVE, AFFECTING THE KIDNEYS, REPRODUCTIVE SYSTEM AND NERV

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