

R & D METALS AND CHEMICALS IN -- ROSIN CORE WIRE SOLDER

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MSDS Safety Information
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FSC: 3439

NIIN: 01-147-5609

MSDS Date: 01/01/1997

MSDS Num: CKWFQ

Product ID: ROSIN CORE WIRE SOLDER

MFN: 01

Responsible Party

Cage: 56406

Name: R & D METALS AND CHEMICALS INC

Address: 201C PERIMETER PARK

Box: 2253

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City: KNOXVILLE TN 37922

Info Phone Number: 423-531-6065/800-645-7476

Emergency Phone Number: 814-944-0200

Resp. Party Other MSDS No.: 60/40 ROSIN CORE

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Item Description Information
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Item Manager: S9G

Item Name: SOLDER, TIN ALLOY

Unit of Issue: LB

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Ingredients
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Name: *** PRO

PRIETARY ***

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Health Hazards Data
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LD50 LC50 Mixture: NO DATA PROVIDED BY MANUFACTURER

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: EYE: DUST FOR FUME COULD BE IRRITANT TO EYES, NOSE &
THROAT. SKIN: NOT A ROUTE OF ENTRY INTO THE BODY. INGESTION: INGESTION OF
DUST OR FUME MUST BE AVOIDED. LEAD IS TOXIC & CUMULATIVE, AFPE

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IDNEYS, REPRODUCTIVE SYSTEM & NERVOUS SYSTEM. SYMPTOMS OF CHRONIC OVEREXPOSURE INCLUDE ANEMIA, INSOMNIA, WEAKNESS, IRRITABILITY, CONSTIPATION & STOMACH PAINS. TIN IS NOT REGARDED AS TOXIC BUT EXCESSIV E EXPOSURE CAN CAUSE FEVER, NAUSEA, STOMACH CRAMPS OR DIARRHEA. INHALATION: INHALATION OF DUST & FUMES MUST BE AVOIDED. IRRITATION OF NOSE & BRONCHIAL TRACTS MAY OCCUR AS WELL AS EFFECTS DUE TO ABSORP TION OF LEAD, ETC. IN BLOOD STREAM.

Explanation Of Carci

nogenicity: NO DATA PROVIDED BY MANUFACTURER

Signs And Symptions Of Overexposure: EYE: DUST FOR FUME COULD BE IRRITANT TO EYES, NOSE & THROAT. SKIN: NOT A ROUTE OF ENTRY INTO THE BODY. INGESTION: INGESTION OF DUST OR FUME MUST BE AVOIDED. LEAD IS TOXIC & CUMULATIVE, AFFECTING THE K IDNEYS, REPRODUCTIVE SYSTEM & NERVOUS SYSTEM. SYMPTOMS OF CHRONIC OVEREXPOSURE INCLUDE ANEMIA, INSOMNIA, WEAKNESS, IRRITABILITY, CONSTIPATION & STOMACH PAINS. TIN IS NOT REGARDED AS TOXIC BUT EXCESSIV E EXPOSURE CAN CAUSE FEVER, NAUSEA, STOMACH CRAMPS OR DIARRHEA. INHALATION: INHALATION OF DUST & FUMES MUST BE AVOIDED. IRRITATION OF NOSE & BRONCHIAL TRACTS MAY OCCUR AS WELL AS EFFECTS DUE TO ABSORP TION OF LEAD, ETC. IN BLOOD STREAM.

Medical Cond Aggravated By Exposure: NO DATA PROVIDED BY MANUFACTURER

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: RE MOVE TO FRESH AIR. GET MEDICAL ATTENTION.

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

Neutralizing Agent: NO DATA PROVIDED BY MANUFACTURER

Waste Disposal Methods: RETURN TO SUPPLIER FOR REPROCESSING.

Handling And Storage Precautions: STORE IN DRY CONDITIONS. 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.

Other Precautions: NO DATA PROVIDED BY MANUFACTURER.

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Fire and Explosion Hazard Information
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Flash Point Text: NOT FLAMMABLE

Fire Fighting Procedures: IF METAL IS PRESENT WH

ERE THERE IS A FIRE, WEAR
SELF-CONTAINED BREATHING APPARATUS IN CASE OF POISONOUS LEAD FUMES.
Unusual Fire/Explosion Hazard: 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/MSHA APPROVED RESPIRATOR FOR TOXIC DUST
AND/OR FUME. NOTE: SEE 29 CFR 1910.1025 SUPART (F) OF OSHA'S LEAD STA NDARD.

V
entilation: 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.

Other Protective Equipment: NO DATA PROVIDED BY MANUFACTURER

Work Hygienic Practices: PERSONNEL MUST WASH THOROUGHLY AFTER HANDLING THE
METAL BEFORE DRINKING, EATING OR SMOKING

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Physical/Chemical Properties
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HCC: N1

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

M.P/F.P Text: APPROX.

Vapor Pres: NOT VOLATILE

Spec Gravity: 7-11 APPROX., DEPENDING

Solubility in Water: NIL

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

Percent Volatiles by Volume: 0-4%

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Reactivity Data
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Stability Indicator: YES

Materials To Avoid: STRONG ACIDS, OXIDIZE
RS, REDUCING AGENTS.

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

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

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Toxicological Information
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Toxicological Information: SYSTEMIC & OTHER EFFECTS: UNK.

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Ecological Information
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Ecological: NO DATA PROVIDED BY MANUFACTURER.
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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 EXXEMPTION NO.: N/A. HAZARD CLASS: N/A.
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Regulatory Information
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ara Title III Information: PRODUCT CONTAINS A CHEMICAL SUBJECT TO SECTION 313
OF SARA TITLE III.

Federal Regulatory Information: NO DATA PROVIDED BY MANUFACTURER

State Regulatory Information: NO DATA PROVIDED BY MANUFACTURER
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Other Information
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Other Information: NO DATA PROVIDED BY MANUFACTURER
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Transportation Information
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Responsible Party Cage: 56406

Trans ID NO: 155419

Product ID: ROSIN CORE WIRE SOLDER

MSDS Prepared Date: 01/01/1997

Review Date: 11/24/2000

MFN: 1

Net Unit Weight: 1 LB

Multiple KIT Number: 0

Unit Of Issue: LB

Additional Data: NOT REGULATED PER MSDS.
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Detail DOT Information
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DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY TH
IS MODE OF TRANSPORTATION
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Detail IMO Information
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IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
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Detail IATA Information
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IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail AFI Information
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AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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HAZCOM Label
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Product ID: ROSIN CORE WIRE SOLDER

Cage: 56406

Company Name: R & D METALS & CHEMICALS, INC

Street: 201C PERIMETER PARK

PO Box: 22533

City: KNOXVILLE TN

Zipcode:

37922-2233

Health Emergency Phone: 814-944-0200

Label Required IND: Y

Date Of Label Review: 11/24/2000

Status Code: A

Year Procured: 1997

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: NO

Signal Word: CAUTION

Respiratory Protection IND: NO

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: EYE: DUST OR FUME COULD BE IRRITANT TO EYES, NOSE &

THROAT. INGESTION: INGESTION OF DUST OR FUME MUST BE

AVOIDED. LEAD IS TOXIC

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AS WELL AS EFFECTS DUE TO ABSORPTION OF LEAD, ETC. IN BLOOD STREAM. TARGET
ORGANS: N/P.

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ed 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, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.