

FEDERATED-FRY METALS INC DIV OF COOKSON AMERICA -- CORED SOLDER WIRES --
3439-00-239-2939

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Product Identification
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Product ID: CORED SOLDER WIRES

MSDS Date: 02/13/1987

FSC: 3439

NIIN: 00-239-2939

MSDS Number: BJKF

=== Responsible Party ===

Company Name: FEDERATED-FRY METALS INC DIV OF COOKSON AMERICA

Address: 6TH AVE AND 41ST ST

City: ALTOONA

State: PA

ZIP: 16602

Country: US

Info Phone Num: 814-9

48-1811

Emergency Phone Num: 814-948-1811

CAGE: 65172

=== Contractor Identification ===

Company Name: FRY TECHNOLOGY DIV OF COOKSON AMERICA INC

Address: 6TH AVE AND 41ST ST

Box: City: ALTOONA

State: PA

ZIP: 16602

Country: US

Phone: 814-946-1611

CAGE: 65172

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Composition/Information on Ingredients
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Ingred Name: TIN

CAS: 7440-31-5

RTECS #: XP7320000

Fraction by Wt: 94%

OSHA PEL: 2 MG/M3

ACGIH TLV: 2 MG/M3; 9192

Ingred Name: LEAD (SARA III)

CAS: 7439-92-1

RTECS #: OF7525000

Fraction by

Wt: 0.2%
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:SILVER (SARA III)
CAS:7440-22-4
RTECS #:VW3500000
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:BISMUTH
CAS:7440-69-9
RTECS #:EB2600000
Other REC Limits:NONE ESTABLISHED

Ingred Name:INDIUM
CAS:7440-74-6
RTECS #:NL1050000
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.1 MG/M3; 9192

Ingred Name:ANTIMONY (SARA III)
CAS:7440-36-0
RTECS #:CC4025000
OS
HA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG SB/M3; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ROSIN ACID
CAS:8050-09-7
Fraction by Wt: 1-4%
Other REC Limits:NONE ESTABLISHED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:SHORT TERM EXPOSURE TO WELDING FUMES,
GASES OR DUST MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAU

SEA,
FEVER, DRYNESS AND/OR IRRITATION OF NOSE, THROAT AND EYES. SKIN SENSITIVITY MAY ALSO BE NOTED. A CUTER EXPOSURE FROM SOME TOXIC GASES MAY CAUSE PULMONARY EDEMA, ASPHYXIATION AND EXCESSIVE EXPOSURE CAN BE FATAL.

Explanation of Carcinogenicity: LEAD AND LEAD COMPOUNDS MAY REASONABLY BE ANTICIPATED AS CARCINOGENIC BY IARC AND NTP.

Effects of Overexposure: EXPOSURE TO WELDING FUMES MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA, FEVER, DRYNESS AND/OR IRRITATION OF NO

SE, THROAT AND EYES. SKIN SENSITIVITY MAY ALSO BE NOTED. WATERY EYES, HEADACHE, BREATHING DIFFICULTY, FREQUENT COUGHING AND/OR CHEST PAINS MAY OCCUR FROM ACUTE EXPOSURE. TOXIC GASES CAN BE FATAL.

Medical Condition Aggravated by Exposure: SOME WORKERS MAY BE AFFECTED BY A PRE-EXISTING CONDITION OR OTHER OCCUPATIONAL ILLNESS BECAUSE OF THE WIDE VARIATION IN INDIVIDUAL SUSCEPTIBILITIES.

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

First Aid: INHALE: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN AND GET MEDICAL ATTENTION; SKIN: FOR BURNS, COOL WITH COLD WATER AND GET MEDICAL TREATMENT; EYE: FOR FUME IRRITATION, REMOVE FROM EXPOSURE; INGEST: GET MEDICAL ATTENTION.

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

Flash Point: NONE

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING EQUIPMENT IF PRODUCT IS INVOLVED IN A FIRE.

Unusual Fire/Explosion Hazard: WHEN HEATED TO HIGH TEMPERATURES, LEAD EMITS TOXIC FUMES.

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

Spill Release Procedures: IF MOLTEN, ALLOW TO COOL AND SOLIDIFY. THEN SCRAPE UP.

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

Handling and Storage Precautions: NO FOOD, DRINK OR TOBACCO SHOULD BE ALLOWED WHERE CORE SOLDER IS USED. WASH HANDS THOROUGHLY AFTER HANDLING CORE SOLDER AND BEFORE EATING & DRINKING.

Other Precautions: NONE STATED.

===== Exposure Control =====

rols/Personal Protection =====

Respiratory Protection:USE WELD 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:USE ENOUGH VENTILATION WHEN CUTTING, GRINDING OR WELDING TO
KEEP THE DUST, FUMES & GASES FROM THE WORKERS BREATHING ZONE

Protective Gloves:WELDERS LEATHER GLOVES

Eye Pro

tection: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.

Supplemental Safety and Health

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

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:SOLID WIRE.

Percent Volatiles by Volume:0

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

Stability Indicator/Mate

rials to Avoid:YES

OXIDIZERS, STRONG ACIDS.

Stability Condition to Avoid:NONE STATED.

Hazardous Decomposition Products:MAY CONTAIN FORMALDEHYDE, CARBON
MONOXIDE, ROSIN AND ROSIN DERIVATIVES.

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

Waste Disposal Methods:RETURN FOR REPROCESSING. TO COMPLY IN ACCORDANCE
WITH FEDERAL, STATE & LOCAL REGULATIONS

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