

FEDERATED-FRY METALS INC DIV OF COOKSON AMERICA -- ROSIN FLUX CORED SOLDER WIRES,WRP,WRMAP,WRAP -- 3439-01-046-1471

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===== Product Identification =====

Product ID:ROSIN FLUX CORED SOLDER WIRES,WRP,WRMAP,WRAP
MSDS Date:02/12/1992
FSC:3439
NIIN:01-046-1471
MSDS Number: BZPJV
=== Responsible Party ===
Company Name:FEDERATED-FRY METALS INC DIV OF COOKSON AMERICA
Address:6TH AVE AND 41ST ST
City:ALTOON
A
State:PA
ZIP:16602
Country:US
Info Phone Num:814-946-1611/FAX 814-944-8094
Emergency Phone Num:814-946-1611/CHEMTREC 800-424-9300
Preparer's Name:DON PORTER
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 =====

Ingred Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
Other REC Limits:
NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9596

Ingred Name:LEAD (SARA 313) (CERCLA)
CAS:7439-92-1
RTECS #:OF7525000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1025
ACGIH TLV:0.05MG/M3, A3; 9596
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:SILVER (SARA 313) (CERCLA)
CAS:7440-22-4
RTECS #:VW3500000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3; 9596
EPA Rpt Qty:1 LB

imits:NONE RECOMMENDED

Ingred Name:INDIUM
CAS:7440-74-6
RTECS #:NL1050000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.1 MG/M3; 9596

Ingred Name:ANTIMONY (SARA 313) (CERCLA)
CAS:7440-36-0
RTECS #:CC4025000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG (SB)/M3; 9596
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

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===== Hazards Identification =====
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LD50 LC50 Mixture:LD50 (ORAL, RAT) IS >5000 MG/KG.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, CNS,
KIDNEYS, LUNGS. ACUTE- INHALING FUMES MAY CAUSE IRRITATION, CNS &
KIDNEY EFFECTS. INGESTION OF DUST/FUME MAY CAUSE LEAD TOXICITY.
ANTIMONY DUST MAY CAUSE NASAL ULCERATIO N. FUMES ARE IRRITATING TO
EYES & SKIN.MOLTEN ROSIN CORE FLUX WILL BURN EYE
S/SKIN. CHRONIC-
LEAD IS TOXIC & CUMULATIVE.
Explanation of Carcinogenicity:CONTAINS LEAD.
Effects of Overexposure:ANEMIA, INSOMNIA, WEAKNESS, IRRITABILITY,
CONSTIPATION, STOMACH PAIN, FEVER, NAUSEA, VOMITING, LOSS OF
APPETITE, NASAL SEPTAL ULCERATION, DIZZINESS, HEADACHE
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE
MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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First Aid Measures =====

First Aid:CALL A DOCTOR IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN. SKIN:WASH WITH SOAP & WATER. FOR BURNS, COOL WITH COLD WATER & GET MEDICAL TREATMENT. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL:CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

===== Fire Fighting Measures =
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Flash Point:NONE

Extinguishing Media:DRY CHEMICAL, FOAM, CARBON DIOXIDE. DO NOT USE WATER ON FIRE WHERE MOLTEN METALS IS PRESENT.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:METAL DUST MAY FORM AN EXPLOSIVE MIXTURE WITH AIR. LEAD MAY EMIT TOXIC FUMES.

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

Spill Release Procedures:IF MOLTEN, ALLOW TO COOL AND SOLIDIFY. THEN, SCRAPE UP. TRANSFER TO PROPER CONTAINER FOR REUSE OR DISPOSAL.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN DRY PLACE AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:READ WARNING LABELS. KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY. DO NOT GENERATE DUST. DO NOT BREATHE DUST OR FUMES. AVOID CONTACT WITH DUST OR FUMES. DO NOT INGEST.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS TO AN ACCEPTABLE LEVEL (TLV), A NIOSH-APPROVED RESPIRATOR FOR EITHER ORGANIC VAPORS, DUST/FUME (HIGH EFFICIENCY FILTERS) OR BOTH IS REQUIRED.

Ventilation:USE GENERAL & LOCAL EXHAUST AT FLAME TO KEEP FUMES AND GASES BELOW TLV'S IN THE WORKER'S BREATHING ZONE & GENERAL AREA.

Protective Gloves:FLAME-PROOF WELDING GLOVES

Eye Protection:FACE SHIELD/

GOGGLES DURING SOLDERING

Other Protective Equipment:INSTALL EYE WASH STATION.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING.

Supplemental Safety and Health

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:INSOLUBLE

Appearance and Odor:SILVER GREY W
IRE, VARIOUS SHAPES AND SIZES - NO
ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, STRONG OXIDIZING AGENTS

Stability Condition to Avoid:NONE

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

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

Waste Disposal Methods:RETURN FOR RECYCLING OR DISPOSE OF IN ACCORDANCE
WITH ALL APPLICABLE
LOCAL, STATE AND FEDERAL REGULATIONS.

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