

FEDERATED-FRY METALS -- ROSIN FLUX CORED SOLDER WIRE WRAP -- 3439-00-273-3722

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

Product ID:ROSIN FLUX CORED SOLDER WIRE WRAP

MSDS Date:07/18/1989

FSC:3439

NIIN:00-273-3722

MSDS Number: BJYGS

=== Responsible Party ===

Company Name:FEDERATED-FRY METALS

Address:6TH AVENUE AND 41ST STREET

City:ALTOONA

State:PA

ZIP:16602

Country:US

Info Phone Num:814-946-1611

Emergency

Phone Num:814-946-1611/800-424-9300(CHEMTREC)

CAGE:0C2W5

=== Contractor Identification ===

Company Name:FEDERATED-FRY METALS

Address:6TH AVENUE AND 41ST STREET

Box:City:ALTOONA

State:PA

ZIP:16602

Country:US

Phone:814-946-1611/800-424-9300(CHEMTREC)

CAGE:0C2W5

===== Composition/Information on Ingredients =====

Ingred Name:TIN

CAS:7440-31-5

RTECS #:XP7320000

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTEC

S #:OF7525000
Other REC Limits:NONE SPECIFIED
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
Other REC Limits:NONE SPECIFIED
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 SPECIFIED

Ingred Name:INDIUM
CAS:7440-74-6
RTECS #:NL1050000
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1 M
G/M3
ACGIH TLV:0.1 MG/M3; 9192

Ingred Name:ANTIMONY (SARA III)
CAS:7440-36-0
RTECS #:CC4025000
Other REC Limits:NONE SPECIFIED
OSHA 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 SPECIFIED

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

LD50 LC50 Mixture:LD50 ORAL RAT > 5000 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcin

ogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:HEALTH HAZARDS: ACUTE: EYE AND SKIN IRRITATION AND BURNS, RESPIRATORY TRACT IRRITATION. CHRONIC: KIDNEY AND CENTRAL NERVOUS SYSTEM EFFECTS DUE TO LEAD. NASAL ULCERATION AND STOMACH IRRITATION DUE TO ANTIMONY.

Explanation of Carcinogenicity:LEAD IS LISTED UNDER NTP AND IARC.

Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION, BURNS. INHALATION: RESPIRATORY TRACT IRRITATION, DIZZINESS, HEADACHE DUE

TO ROSIN. INGESTION: ANEMIA, INSOMNIA, WEAKNESS, IRRITABILITY, CONSTIPATION, STOMACH, PAINS DUE TO LEAD. FEVER, NAUSEA, STOMACH CRAMPS, DIARRHEA DUE TO TIN. STOMACH AND NASAL IRRITATION DUE TO ANTIMONY.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING KIDNEY OR CENTRAL NERVOUS SYSTEM DISORDERS MAY BE MORE AT RISK FROM EXPOSURE.

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

First Aid:EYES: FOR FUME IRRITATION, REMOVE FROM EXPOSURE.

IF IRRITATION PERSISTS, SEE DOCTOR. SKIN: FOR BURNS, COOL WITH COLD WATER AND GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN AND GET MEDICAL ATTENTION. INGESTION: GET MEDICAL HELP IMMEDIATELY.

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

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A

FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS SUCH AS TOXIC LEAD FUMES.

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

Spill Release Procedures:IF MOLTEN, ALLOW TO COOL AND SOLIDIFY. THEN SCRAPE UP AND PLACE IN APPROPRIATE DISPOSAL CONTAINER.

===== Handling and

Storage =====

Handling and Storage Precautions:NO SPECIAL REQUIREMENTS.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:FUME RESPIRATOR FOR ORGANIC VAPORS OR AIR
SUPPLIED RESPIRATOR IN CONFINED SPACES OR WHERE VENTILATION DOES
NOT KEEP EXPOSURE BELOW TLV.

Ventilation:LOCAL EXHAUST TO KEEP BELOW TLV.

Protective Gloves:PROTECTIVE GLOVES.

Eye Protection:FACESHIELD OR GOGGLES.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING,SMOKING,

APPLYING COSMETICS OR USING SANITARY FACILITIES.

Supplemental Safety and Health

NO FOOD, DRINKING OR TOBACCO SHOULD BE ALLOWED WHERE CORE SOLDER IS
USED.

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

HCC:N1

Solubility in Water:NIL

Appearance and Odor:SILVER GREY WIRE.

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

Stability Indicator/Materials to Avoid:YES

OXIDIZERS, STRONG ACIDS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:FORMALDEHYDE, CARBON MONOXIDE, ROSIN

AND ROSIN DERIVATIVES.

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

Waste Disposal Methods:CONSULT WITH YOUR LOCAL ENVIRONMENTAL OFFICER.

MANUFACTURER RECOMMENDS TO RETURN FOR REPROCESSING. DISPOSE OF IN
ACCORDANCE WITH FEDERAL,STATE AND LOCAL ENVIRONMENTAL REGULATI

ONS.

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