

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

RTE

CS #: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  
MG/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 Carci

nogenicity: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.

O

ther 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 =====

S

tability 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 REGULAT

IONS.

Disclaimer (provided 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 this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.