

EAGLE-PICHER TECHNOLOGIES, LLC -- "285" ROSIN FLUX CORED SOLDER -- 3439-01-391-8478
===== Product Identification =====

Product ID:"285" ROSIN FLUX CORED SOLDER

MSDS Date:12/11/1998

FSC:3439

NIIN:01-391-8478

Status Code:A

MSDS Number: CLPQD

=== Responsible Party ===

Company Name:EAGLE-PICHER TECHNOLOGIES, LLC

Address:3820-SOUTH HANCOCK EXPRESSWAY

Box:5234

City:COLORADO SPRINGS

State:CO

ZIP:80911

-1231

Country:US

Info Phone Num:719-392-4266

Emergency Phone Num:(800) 424-9300

Resp. Party Other MSDS Num.:"285" CORE

Chemtrec Ind/Phone:(800)424-9300

CAGE:50120

=== Contractor Identification ===

Company Name:EAGLE-PICHER TECHNOLOGIES, LLC

Address:3820-SOUTH HANCOCK EXPRESSWAY

Box:5234

City:COLORADO SPRINGS

State:CO

ZIP:80911-1231

Country:US

Phone:719-392-4266

CAGE:50120

Company Name:WHEELER BROS INC

Address:384 DRUM AVE

Box:737

City:SOMERSET

State:PA

ZIP:15501-0737

Country:US

Phone:814-443-700

0
Contract Num:SP0400-01-AA-F84-0265
CAGE:55683

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Composition/Information on Ingredients
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Ingred Name:LEAD
CAS:7439-92-1
RTECS #:OF7525000
OSHA PEL:0.05 MG/M3
ACGIH TLV:0.15 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3

Ingred Name:SILVER
CAS:7440-22-4
RTECS #:VW3500000
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:BISMUTH
CAS:7440-69-9
RTECS #:EB26
00000

Ingred Name:ANTIMONY
CAS:7440-36-0
RTECS #:CC4025000
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG/M3
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ROSIN
CAS:8050-09-7
RTECS #:VL0480000
< Wt:3.

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:UNKNOWN Ingestion:YES
Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES
Health Hazards Acute and Chronic:TARGET ORGANS: INGESTION OF LEAD METAL
CAN AFFECT KIDNEYS, GASTROINTESTINAL, R

REPRODUCTIVE AND NEUROLOGICAL

SYSTEMS. ACUTE- INHALATION: OVEREXPOSURE TO LEAD MAY RESULT IN CENTRAL NERVOUS SYSTEM DISORDERS CHARACTERIZED BY DROWSINESS, SEIZURES, COMA AND DEATH. EXPOSURE OF THIS MAGNITUDE IS UNLIKELY. SKIN CONTACT: NONE. SKIN ABSORPTION: NONE. EYE CONTACT: NONE. INGESTION: NOT LIKELY TO OCCUR, BUT WOULD HAVE SIMILAR EFFECTS AS INHALATION. CHRONIC: REPEATED INHALATION OR INGESTION OF LEAD CAN RESULT IN SYSTEMIC POISONING.

Effects of Overexposure:

TARGET ORGANS: INGESTION OF LEAD METAL CAN

AFFECT KIDNEYS, GASTROINTESTINAL, REPRODUCTIVE AND NEUROLOGICAL SYSTEMS. ACUTE- INHALATION: OVEREXPOSURE TO LEAD MAY RESULT IN CENTRAL NERVOUS SYSTEM DISORDERS CHARACTERIZED BY DROWSINESS, SEIZURES, COMA AND DEATH. EXPOSURE OF THIS MAGNITUDE IS UNLIKELY. SKIN CONTACT: NONE. SKIN ABSORPTION: NONE. EYE CONTACT: NONE. INGESTION: NOT LIKELY TO OCCUR, BUT WOULD HAVE SIMILAR EFFECTS AS INHALATION. CHRONIC: REPEATED INHALATION OR

INGESTION OF LEAD CAN

RESULT IN SYSTEMIC POISONING.

Medical Condition Aggravated by Exposure: LEAD: DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS, KIDNEYS, NERVES AND POSSIBLY REPRODUCTIVE SYSTEMS.

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First Aid Measures
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First Aid: EYE: FOR BURNS FLUSH IMMEDIATELY WITH COOL WATER. SKIN: FOR BURNS FLUSH IMMEDIATELY WITH COOL WATER. INHALATION: REMOVE PERSON FROM EXPOSURE TO FUMES. INGESTION: IF THOUGHT TO BE OVEREXPOSED, THE PERSON SHOULD HAVE A BLOOD LEAD ANALYSIS DONE. SEEK MEDICAL ASSISTANCE FOR FURTHER TREATMENT, OBSERVATION AND SUPPORT IF NEEDED.

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Fire Fighting Measures
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Flash Point Method: TOC

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS IF THIS MATERIAL IS IN THE VICINITY OF A FIRE.

Unusual Fire/Explosion Hazard: FLUX IN CORED SOLDER MAY IGNITE WHEN THE SOLDER MELTS IN A FIRE.

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Accidental Release Measures
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Spill Release Procedures:MELTED SOLDER WILL SOLIDIFY ON COOLING AND CAN BE SCRAPED UP. USE CAUTION TO AVOID BREATHING FUMES IF A GAS TORCH IS USED TO CUT UP LARGE PIECES.

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

Handling and Storage Precautions:STORE AWAY FROM SOURCES OF SULFUR. WASH HANDS AFTER HANDLING SOLDER CONTAINING LEAD BEFORE EATING OR SMOKING. AVOID BREATHING SMOKE/FUMES GENERATED DURING SOLDERING. DO NOT PLACE FLUX CORED SOLDE R INTO A HOT SOLDER POT BECAUSE THE FLUX MAY IGNITE.

Other Precautions:USE OF STRONG ACID FLUXES MAY RESULT IN LIBERATION OF TOXIC LEAD CHLORINE FUMES. CAUTION: EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE. OBSERVE ALL LABEL PRECAUTIONS.

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

Respiratory Protection:WHEN VENTILATION IS NOT SUFFICIENT TO REMOVE FUMES FROM THE BREATHING ZONE, A NIOSH APPROVED RESPIRATOR SHOULD BE WORN.

Ventilation:PROVIDE ADEQUATE VENTILATION (GENERAL AND/OR LOCAL) IF NECESSARY TO MEET EXPOSURE REQUIREMENTS. LOCAL EXHAUST VENTILATION IS PREFERRED

Protective Gloves:USUALLY NOT REQUIRED

Eye Protection:WHEN SOLDERING, USE GOGGLES OR FACE SHIELD

Other Protective Equipment:NONE

Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER HANDLING SOLDER CONTAINING LEAD BEFORE EATING OR SMOKING.

Supplemental Safety and Health
DO SOLDERING IN A WELL VENTILATED AREA.

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

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HCC:N1

Spec Gravity:>1

Solubility in Water:0

Appearance and Odor:SILVER-GRAY METAL IN WIRE, RIBBON OR PREFORMED SHAPES W/ A CORE OF FLUX;NO ODOR

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

Stability Indicator/Materials to Avoid:YES
STRONG ACID, STRONG OXIDIZERS.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:WHEN HEATED TO SOLDERING TEMPERATURES THE SOLVENT IN THE FLUX WILL BOIL AWAY AND CARRY UP DROPLETS OF ROSIN AND THERMAL D

EGRADATION PRODUCTS SUCH AS ALIPHATIC ALDEHYDES,
ACIDS AND TERPENES. NO LEAD IS

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:SOLDER CAN BE RECLAIMED.

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