

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:80911-12

31

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:814-443-7000

C

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

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

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 #:EB26000  
00

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  
&lt; Wt:3.

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

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, REPR

ODUCTIVE 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:TARG

ET 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 ING

ESTION OF LEAD CAN

RESULT IN SYSTEMIC POISONING.

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

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

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.

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

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.

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

=====

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 SOLDER 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 =====

=====

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 DEGR

ADATION 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.

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 in  
formation 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.