

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
< 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:TARGET

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.