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GARDINER SOLDER CO DIV OF GARDINER METAL CO -- 181 XM-200 CORE TIN/LEAD/ANTIMONY ALLOY -- 3439-01-343-1611

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

Product ID:181 XM-200 CORE TIN/LEAD/ANTIMONY ALLOY

MSDS Date:08/01/1992

FSC:3439

NIIN:01-343-1611

MSDS Number: BPZXK

=== Responsible Party ===

Company Name:GARDINER SOLDER CO DIV OF GARDINER METAL CO

Address:4820 S CAMPBELL AVE

City:CHICAGO

State:IL

ZIP:6063

2-1416

Country:US

Info Phone Num:312-847-0100

Emergency Phone Num:312-847-0100(CHEMTREC 800-424-9300)

CAGE:56244

=== Contractor Identification ===

Company Name:GARDINER SOLDER CO, DIV OF GARDINER METAL CO

Address:4820 S CAMPBELL AVE

Box:City:CHICAGO

State:IL

ZIP:60632-1416

Country:US

Phone:312-847-0100/800-424-9300(CHEMTREC)

CAGE:56244

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

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 5-94.8%

Other

REC Limits:NONE RECOMMENDED

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15 MG/M3;DUST 9293

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:TIN

CAS:7440-31-5

RTECS #:XP7320000

Fraction by Wt: 5-94.8%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9293

Ingred Name:ANTIMONY (SARA III)

CAS:7440-36-0

RTECS #:CC4025000

Fraction by Wt: .2-2%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.5 MG/M3

N ACID  
CAS:8050-09-7  
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: HEALTH STUDIES HAVE SHOWN THAT  
POTENTIAL HEALTH RISKS MAY VARY BY INDIVIDUAL. ALWAYS MINIMIZE  
EXPOSURE AS A PRECAUTION. CHRONIC: NONE SPECIFIED BY MANUFACTURER.  
SEE OSHA SUBPART Z(29CFR)(1910.1 025).

Explanation  
of Carcinogenicity:LEAD IS LISTED BY IARC AS A POTENTIAL  
CARCINOGEN.  
Effects of Overexposure:METALLIC TASTE IN MOUTH, COUGHING, SNEEZING,  
WHEEZING, SHORTNESS OF BREATH.  
Medical Cond Aggravated by Exposure:RESPIRATORY/LUNG CONDITIONS

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

First Aid:INHALED: MOVE TO FRESH AIR. SUPPORT RESPIRATION IF REQUIRED,  
SEEK MEDICAL HELP. EYES: FLUSH WITH WATER FOR 15 MINUTES. SEE  
DOCTOR. SKIN: FLUSH WITH WATER. INGESTED: IF C  
ONSCIOUS, DRINK LARGE  
AMOUNT OF WATER, SEEK MEDICAL ATTENTION.

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

Flash Point:NON-FLAMMABLE  
Extinguishing Media:DRY SAND, DRY CHEMICAL. DO NOT USE WATER!  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:COLLECT AND USE, IF CONTAMINATED OR IN SMALL  
PARTICLES, VACUUM OR COLLECT  
AND PLACE IN A CONTAINER FOR LATER  
DISPOSAL. DO NOT GENERATE DUST.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID CONTACT WITH DUST AND FUMES.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:DURING SOLDERING- USE NIOSH/MSHA APPROVED  
RESPIRATOR, OR SUPPLIED AIR RESPIRATOR, OR SCBA, A

S REQUIRED. USE

IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation:LOCAL EXHAUST IS RECOMMENDED/PREFFERRED.

Protective Gloves:HEAT RESISTANT DURING SOLDERING

Eye Protection:GOGGLES OR FACE SHIELD DURING SOLDERING

Other Protective Equipment:AS REQUIRED TO AVOID CONTACT.

Work Hygienic Practices:FOLLOW GOOD INDUSTRIAL HYGIENE PRACTICES.

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:B.P. Text:2516F,1380C

Melt/Freeze Pt:M.P/F.

P Text:361F,183C

Vapor Pres:1 MM HG

Solubility in Water:NEGLIGIBLE

Appearance and Odor:SILVER-GREY SOLID; ODORLESS

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:TOXIC METAL FUMES ABOVE 1832F.

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

Waste Disposal Methods:DO NOT DISPOSE OF IN REGULAR TRASH. HOLD FOR  
RECYCLIN

G OR DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL  
REGULATIONS.

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