

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: BPZXX

=== 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.

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 respo

nsibility for the suitability of this information to their particular situation.