

GARDINER SOLDER COMPANY DIV GARDINER METAL CO -- TIN/LEAD/ANTIMONY ALLOY: XM-200  
CORE; PRODU -- 3439-01-146-6953

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Product Identification  
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Product ID:TIN/LEAD/ANTIMONY ALLOY: XM-200 CORE; PRODU

MSDS Date:08/01/1992

FSC:3439

NIIN:01-146-6953

MSDS Number: BPFJX

=== Responsible Party ===

Company Name:GARDINER SOLDER COMPANY DIV GARDINER METAL CO

Address:4820 S CAMPBELL AVE

City:CHICAGO

State

:IL

ZIP:60632-1494

Country:US

Info Phone Num:312-847-0100

Emergency Phone Num:312-847-0100

CAGE:84311

=== Contractor Identification ===

Company Name:GARDINER SOLDER COMPANY DIV GARDINER METAL CO

Address:4820 S CAMPBELL AVE

Box:City:CHICAGO

State:IL

ZIP:60632-1494

Country:US

Phone:312-847-0100 CHEMTREC AFTER HOURS

CAGE:84311

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Composition/Information on Ingredients  
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Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 5-94.8%

Other REC Limits:

NONE SPECIFIED

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15 MG/M3;DUST 9192

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 SPECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

Ingred Name:ANTIMONY (SARA III)

CAS:7440-36-0

RTECS #:CC4025000

Fraction by Wt: 0.2-2.0%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.5 MG/M3

-09-7

Other REC Limits:NONE SPECIFIED

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:HEALTH STUDIES HAVE SHOWN TYHAT  
POTENTIAL HEALTH RISK MAY VARY BY INDIVIDUAL. ALWAYS MINIMIZE  
EXPOSURE AS A PRECAUTION. SEE OSHA SUBPART Z[29.CFR](1910.1025)  
Explanation of Carcinogenicity:NOT LISTED BY NTP AS A CARCINOGEN. IARC  
MONOGRAP  
HS, LEAD-SUSPECT.  
Effects of Overexposure:METALLIC TASTE IN THE MOUTH. IRRITATION OF THE  
RESPIRATORY TRACT. SEE OSHA SUBPART Z[29.CFR](1910.1025)  
Medical Cond Aggravated by Exposure:RESPIRATORY/LING CONDITIONS. SEE  
OSHA SUBPART Z[29.CFR](1910.1025)

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First Aid Measures  
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First Aid:SKIN: FLUSH WITH WATER IMMEDIATELY - TREAT FOR BURNS, SEE  
DOCTOR IF REQUIRED. EYES: FLUSH WITH WATER FOR 15 MIN. - SEE  
DOCTOR. INGESTION: DRINK LARGE AMOU  
NTS OF WATER - SEE DOCTOR. NEVER  
GIVE LIQUIDS TO AN UNCONSCIOUS PERSON. INHALATION: REMOVE TO FRESH  
AIR. SUPPORT RESPIRATION IF REQUIRED - SEE DOCTOR.

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Fire Fighting Measures  
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Flash Point:NONFLAMMABLE  
Autoignition Temp:Autoignition Temp Text:NONE  
Extinguishing Media:DRY SAND, DRY CHEMICAL, DO NOT USE WATER.  
Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS ABOVE  
1000C.  
Unusual Fire/Explosion Hazard:NONE.

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Accidental Release Measures  
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Spill Release Procedures:COLLECT AND USE, IF CONTAMINATED OR IN SMALL  
PARTICLES VACUUM OR COLLECT MATERIAL. NEVER USE ANY METHOD WHICH  
WILL GENERATE DUST.

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

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Exposure Controls/Personal Protection  
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Respiratory Protection:0.03

MG/M3 - HALF MASK; 2.5 MG/M3 - FULL FACE  
MASK; 50 MG/M3 - SELF-SUSTAINED RESPIRATORY SUIT.  
Ventilation:LOCAL EXHAUST PREFERRED, SPECIAL HEPA FILTER REQUIRED.  
MECHANICAL IS OK.  
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:WASH AFTER USE. FOLLOW GOOD HYGIENIC PRACTICES.  
Supplemental Safety and Health  
EXPOSURE TO LEAD IS REGULATED BY OSHA 1910.1025

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

HCC:T4  
Boiling Pt:B.P. Text:2516F,1380C  
Melt/Freeze Pt:M.P/F.P Text:360F,182C  
Vapor Pres:1 MMHG0  
Spec Gravity:7.55-11.0 G/CC  
Solubility in Water:INSOLUBLE  
Appearance and Odor:SILVER GREY SOLID, ODORLESS.

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

Stability Indicator/Materials to Avoid:YES  
OXIDIZING MATERIALS.  
Stability Condition to Avoid:NONE  
Hazardous Decomposition Products:TOXIC METAL FUMES ABOVE 10  
0C

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

Waste Disposal Methods:NEVER DISPOSE OF IN TRASH. HOLD FOR RECYCLING OR  
DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE & LOCAL LAWS AND  
REGULATIONS.

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