

GARDINER SOLDER CO, DIV OF GARDINER METAL CO -- TIN LEAD ANTIMONY ALLOY,XM-200
CORE -- 3439-01-157-7678

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

Product ID:TIN LEAD ANTIMONY ALLOY,XM-200 CORE

MSDS Date:05/01/1990

FSC:3439

NIIN:01-157-7678

MSDS Number: BLFGZ

=== Responsible Party ===

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

Address:4820 S CAMPBELL AVE

City:CHICAGO

State:IL

ZIP:60632-141

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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

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

Ingred Name:TIN

CAS:7440-31-5

RTECS #:XP7320000

Fraction by Wt: 5- 94.8%

Other REC Limits:NONE SP

ECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

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:ANTIMONY (SARA III)

CAS:7440-36-0

RTECS #:CC4025000

Fraction by Wt: 0.2 - 2%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.5 MG/M3

CAS:8050-09-7

Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE & CHRONIC:INHALATION OF DUST MAY CAUSE IRRITATION.HEALTH STUDIES HAVE SHOWN THAT POTENTIAL HEALTH RISKS MAY VARY BY INDIVIDUAL.ALWAYS MINIMIZE EXPOSURE AS A PRECAUTION.

Effects of Overexposure:METALLIC TASTE IN THE MOUTH. IRRITATION OF THE RESPIRATORY TRACT.

Medical Cond Aggravated by Exposure:RESPIRATORY/LUNG CONDITIONS

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

First Aid:SEEK MEDICAL ATTENTION IN ALL CASES.EYES:FLUSH WITH WATER FOR 15 MINUTES.SKIN:FLUSH WITH WATER IMMEDIATELY.TREAT FOR BURNS.INHALATION:REMOVE TO FRESH AIR.SUPPORT RESPIRATION IF REQUIRED.INGESTION:DRINK LARGE AMOUNT OF WATER.NEVER GIVE LIQUIDS TO AN UNCONSCIOUS PERSON.

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

Flash Point:NON FLAMMABLE

Extinguishing Media:DRY SAND, DRY CHEMICAL. DO NOT USE WATER.

Fire Fighting Procedures:USE SELF CONTAINED BREATHING APPARATUS ABOVE 1000 C (1832 F).

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:COLLECT AND USE.IF CONTAMINATED OR IN SMALL PARTICLES,VACUUM OR COLLECT MATERIAL.NEVER USE METHODS WHICH GENERATE DUST.

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== Handling and Storage =====

Handling and Storage Precautions:STORAGE-STORE AWAY FROM OXIDIZING MATERIALS.

Other Precautions:AVOID CONTACT WITH FUMES AND DUST.

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

Respiratory Protection:ABOVE TLV, NIOSH APPROVED RESPIRATORS - SEE 29 CFR 1910.134. 0.03MG/M3-HALF MASK; 2.5MG/M3-FULL MASK; 50MG/M3-SELF-SUSTAINED RESPIRATORY SUIT.

Ventilation:LOCAL EXHAUST PREFERRED. SPECIAL HEPA FILTERS REQUIRED.

MECHANICAL IS OK.

Protective Gloves:HEAT RESISTANT DURING SOLDERING

Eye Protection:GOGGLES/FACE SHIELD DURING SOLDERING

Other Protective Equipment:AS REQUIRED TO AVOID CONTACT.

Work Hygienic Practices:WASH AFTER USE. FOLLOW GOOD INDUSTRIAL HYGIENIC PRACTICE.

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 @ 1626F

Spec Gravity:7.55 - 11.00

Solubility

in Water:INSOLUBLE

Appearance and Odor:SILVER GREY SOLID, ODORLESS

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:TOXIC METAL FUMES ABOVE 1000 C (1832 F).

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

Waste Disposal Methods:NEVER DISPOSE OF IN TRASH. HOLD FOR RECYCLING OR DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, S

TATE & LOCAL REGULATIONS

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