

GARDINER SOLDER CO DIV OF GARDINER METAL CO -- TIN-LEAD-ANTIMONY ALLOY --  
3439-00-163-4347

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

Product ID:TIN-LEAD-ANTIMONY ALLOY

MSDS Date:05/01/1990

FSC:3439

NIIN:00-163-4347

MSDS Number: BDDQZ

=== Responsible Party ===

Company Name:GARDINER SOLDER CO DIV OF GARDINER METAL CO

Address:4820 S CAMPBELL AVE

City:CHICAGO

State:IL

ZIP:60632-1416

Country:US

Info Phone Num

:312-847-0100

Emergency Phone Num:312-847-0100

Preparer's Name:TED VAN DER MOLEN

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:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: SPEC.

Other REC Limits:NONE SPECIFIE

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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: 0.2-2.0%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.5 MG/M3  
ACGIH TLV:0.5 MG SB/M3; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:TIN  
CAS:7440-31-5  
RTECS #:XP7320000  
Fraction by Wt: SPEC.20%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9192

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on =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:HEALTH STUDIES HAVE SHOWN THAT  
POTENTIAL HEALTH RISKS MAY VARY BY INDIVIDUAL. ALWAYS MINIMIZE  
EXPOSURE AS A PRECAUTION. SEE OSHA 29CFR1910.1025, SUBPART Z.  
Explanation of Carcinogenicity:LEAD IS LISTED BY IARC AS A CARCINOGEN.  
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:SKIN-FLUSH WITH WATER IMMEDIATELY. TREAT FOR BURNS, SEEK  
MEDICAL ATTENTION IF REQUIRED. EYES-FLUSH WITH WATER FOR 15  
MINUTES, SEEK MEDICAL ATTENTION. INGEST-DRINK LARGE AMOUNTS OF  
WATER. SEEK MEDICAL ATTENTION. NEVER GIVE LIQUIDS TO UNCONSCIOUS  
PERSONS. INHALE-REMOVE TO FRESH AIR. SUPPORT RESPIRATION IF  
REQUIRED. SEEK MEDICAL ATTEN

TION.

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

Flash Point:NON FLAMMABLE

Extinguishing Media:DRY CHEMICAL, DO NOT USE WATER.

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

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:COLLECT AND USE, IF CONTAMINATED OR IN SMALL PARTICULES, VACCUM OR COLLECT MATERIAL. NEVER USE ANY METHOD WHICH WILL GENERATE DUST.

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

Handling and Storage Precautions:NO INFORMATION GIVEN ON MSDS BY SUPPLIER.

Other Precautions:AVOID CONTACT WITH FUMES AND DUST.

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

Respiratory Protection:DURING SOLDERING, TYPE: 0.03 MG/M3 - HALF-MASK; 2.5 MG/M3 - FULL FACE MASK; 50 MG/M3 - SELF-SUSTAINED RESPIRATORY SUIT.

Ventilation:LOCAL EXHAUST-PREFERRED, MECHANICAL-OK, SPECIAL HEPA

FILTERS REQUIRED.

Protective Gloves:HEAT RESISTANT DURING SOLDERING.

Eye Protection:SAFETY GOGGLES OR FACE SHIELD.

Other Protective Equipment:AS REQUIRED TO AVOID CONTACT.

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

Supplemental Safety and Health

EXPOSURE TO LEAD IS REGULATED BY OSHA 1910.1025

===== 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

Spec Gravity:SOLID

Solubility in Water:INSOLUBLE

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 1000C (1832F).

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

Waste Disposal Methods:NEVER DISPOSE OF IN TRASH. HOLD FOR RECYCLING OR  
DISPOSE O

F IN ACCORDANCE WITH FEDERAL, STATE & LOCAL LAWS AND  
REGULATIONS.

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