

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

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Product Identification  
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Product ID:SOLDERING ALLOY: TIN - LEAD

MSDS Date:05/01/1990

FSC:3439

NIIN:00-163-4347

MSDS Number: BLFBN

=== 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 P

Phone Num:312-847-0100

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

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)

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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 - 95%

Other REC Limits:NONE SPECIFIED

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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:TIN

CAS:7440-31-5

RTECS #:XP7320000

Fraction by Wt: 95 - 5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

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Hazards Identification  
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LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chr

onic:HEALTH STUDIES HAVE SHOWN THAT  
POTENTIAL HEALTH RISKS MAY VARY BY INDIVIDUAL. ALWAYS MINIMIZE  
EXPOSURE AS A PRECAUTION. MAY CAUSE RESPIRATORY IRRITATION.  
Explanation of Carcinogenicity:DATA PER MANUFACTURER'S MSDS  
Effects of Overexposure:METALLIC TASTE IN MOUTH. IRRITATION OF THE  
RESPIRATORY TRACT.  
Medical Cond Aggravated by Exposure:PRE-EXISTING RESPIRATORY/LUNG  
CONDITIONS MAY BE AGGRAVATED BY EXPOSURE.

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First Aid Measures  
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First Aid:IN CASE OF SKIN CONTACT, FLUSH WITH WATER IMMEDIATELY. TREAT  
FOR BURNS, SEEK MEDICAL ATTENTION IF REQUIRED. IN CASE OF EYE  
CONTACT, FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION.  
IN CASE OF INGESTION, DRINK LARGE AMOUNTS OF WATER. SEEK MEDICAL  
ATTENTION. NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON. IN CASE OF  
INHALATION, REMOVE TO FRESH AIR. SUPPORT RESPIRATION IF REQUIRED.  
SEEK MD.

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Fire Fighting Measures  
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Flash Point:NONFLAMMABLE  
Lower Limits:NONFLAMMABLE  
Upper Limits:NONFLAMMABLE  
Extinguishing Media:DRY CHEMICAL. DO NOT USE WATER.  
Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS ABOVE  
1832F.  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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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.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage  
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Handling and Storage Precautions:STORE AWAY FROM OXIDIZING MATERIALS.  
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-CONTAINED RESPIRATORY SUIT.  
Ventilation:LOCAL EXHAUST PREFERRED. SPECIAL HEPA FILTER

ERS REQUIRED.

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 INDUSTRIAL HYGIENIC  
PRATICES.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:N1

Boiling Pt:B.P. Text:3164F,1740C

Melt/Freeze Pt:M.P/F.P Text:361F,183C

Decomp Temp:Decomp Text:NOT  
GIVEN

Vapor Pres:1.7@1000C

Vapor Density:NOT GIVEN

Spec Gravity:NOT GIVEN

Solubility in Water:INSOLUBLE

Appearance and Odor:SILVER GREY SOLID, ODORLESS

Percent Volatiles by Volume:0 %

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH OXIDIZING MATERIALS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:TOXIC METAL FUMES ABOVE 1832F

===== Disposal Consid  
erations =====

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

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