

GARDINER SOLDER CO DIV OF GARDINER METAL CO -- TIN-LEAD-ANTIMONY ALLOY --  
3439-00-254-8437

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

Product ID:TIN-LEAD-ANTIMONY ALLOY

MSDS Date:01/04/1993

FSC:3439

NIIN:00-254-8437

MSDS Number: BQKNX

=== 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 Nu

m:312-847-0100

Emergency Phone Num:312-847-0100

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: SPEC.

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.05 MG/M3;1910.1025

A

CGIH 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: 5%

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

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

=====  
===== 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: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:RESPIRA  
TORY/LUNG CONDITIONS.

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

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 ATTENTION.

=====  
===== 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:1MM

Spec Gravity:SOLID

Solubility in Water:l

NSOLUBLE

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 OF IN ACCORDANCE WITH FEDERAL, STATE & LOCAL  
LAWS AND  
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 responsibility for the suitability of this information  
to their  
particular situation.