

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

=====
===== 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 Nu

m: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

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

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: SPEC.

Other REC Limits:NONE SPECIFI

ED
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

=====
ion =====

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.

=====
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 ATTE

NTION.

===== 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: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

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.