

GARDINER SOLDER COMPANY DIV GARDINER METAL CO -- TIN-LEAD-ANTIMONY ALLOY --
3439-00-198-3429

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

Product ID:TIN-LEAD-ANTIMONY ALLOY

MSDS Date:04/23/1993

FSC:3439

NIIN:00-198-3429

MSDS Number: BRSZC

=== Responsible Party ===

Company Name:GARDINER SOLDER COMPANY DIV GARDINER METAL CO

Address:4820 S CAMPBELL AVE

City:CHICAGO

State:IL

ZIP:60632-1494

Country:US

Info Phon

e Num:312-847-0100

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

CAGE:84311

=== Contractor Identification ===

Company Name:GARDINER SOLDER COMPANY DIV GARDINER METAL CO

Address:4820 S CAMPBELL AVE

Box:City:CHICAGO

State:IL

ZIP:60632-1494

Country:US

Phone:312-847-0100 CHEMTREC AFTER HOURS

CAGE:84311

Company Name:WHITE PLAINS ELECTRICAL SUPPLY CO

Address:131 E MAIN STREET

Box:City:ELMSFORD

State:NY

ZIP:10523-3319

Country:US

Phone:914-592-9555

CAGE:05085

===== Composition/Info

Information on Ingredients =====

Ingredient Name:LEAD (SARA III)
CAS:7439-92-1
RTECS #:OF7525000
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

Ingredient 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

Ingredient Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
Other REC Limits:NONE SPECIFIED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9192

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

LD50 LC50 Mixture:TLV FOR WELDING FUMES IS 5 MG/M3
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: FUMES AND GASES CAN CAUSE EYES
AND UPPER RESPIRATORY SYSTEM IRRITATION, AND CENTRAL NERVOUS SYSTEM
EFFECTS. ARC RAYS CAN INJURE EYES AND BURN SKIN. ELECTRIC SHOCK CAN
KILL. NOISE CAN DAMAGE HEARING. CHRONIC: NEUROLOGICAL DAMAGE, LUNG
FIBROSIS, PNEUMOCONIOSIS.
Explanation of Carcinogenicity:LEAD IS A SUSPECTED CARCINOGEN BY IARC
AND NTP.
Effects of Overexposure:METALLIC TASTE, NAUSEA, FEVER, DIZZINESS,
DRYNESS, IRRITATION OF EYES, NOSE AND THROAT, SKIN SENSITIVITY,
WATERY EYES, HEADACHE, BREATHING DIFFICULTY, FREQUENT COUGHING,
CHEST PAINS.
Medical Conditions Aggravated by Exposure:RESPIRATORY/LUNG RELATED
CONDITIONS.

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

First Aid:IN CASE OF ELECTRICAL SHOCK, TURN OFF POWER PRIOR TO REMOVAL FROM EXPOSURE AREA AND ADMINISTRATION OF FIRST AID. REMOVE FROM EXPOSURE AREA AND CALL FOR MEDICAL AID. ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. IF NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION. IF NO DETECTABLE PULSE, BEGIN EXTERNAL HEART MASSAGE. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS.

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

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. DO NOT USE WATER.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:ARCS AND SPARKS CAN IGNITE COMBUSTIBLE MATERIALS.

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

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUE AND PLACE IN APPROPRIATE DISPOSAL CONTAINER. AVOID INHALATION AND SKIN EXPOSURE.

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

Handling and Storage Precautions:STORE IN DRY AREA.
Other Precautions:TRAIN WELDER TO KEEP HIS HEAD OUT OF THE FUMES. MONITOR AIR TO ENSURE ACCEPTABLE EXPOSURES. AVOID ELECTRICAL SHOCK BY MAINTAINING DRY WORK AREA.

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

Respiratory Protection:FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR IN CONFINED SPACES OR WHERE VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.
Ventilation:LOCAL EXHAUST TO KEEP BELOW TLV.
Protective Gloves:WELDER'S GLOVES.
Eye Protection:HELMET/ FACE SHIELD WITH FILTER LENS.
Other Protective Equipment:SUBSTANTIAL DARK CLOTH, ARM PROTECTOR, APRON, HAT AND SHOULDER PROTECTION. AIR SAMPLING TO DETERMINE CORRECTIVE MEASURES
Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING, SMOKING OR USING

ING SANITARY FACILITIES.
Supplemental Safety and Health
NONE.

===== 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
Spec Gravity:8.55
Solubility in Water:INSOLUBLE
Appearance and Odor:SILVER GRAY SOLID, ODORLESS.

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

Stability Indicator/Materials to Avoid:YES
OXIDIZING MATERIALS.
Stability Condition to Avoid:NONE
Hazardous D
ecomposition Products:FUMES OF METALS AND METAL OXIDES FROM
ELECTRODE AND BASE METAL ABOVE 1000C (1832F)

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

Waste Disposal Methods:SEND FOR RECYCLING OR DISPOSE OF IN ACCORDANCE
WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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