

GARDINER SOLDER CO, DIV OF GARDINER METAL CO -- TIN-ANTIMONY ALLOY --
3439-00-204-2546

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

Product ID:TIN-ANTIMONY ALLOY

MSDS Date:05/01/1990

FSC:3439

NIIN:00-204-2546

MSDS Number: BJMXG

=== 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:800-42

4-9300

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:TIN

CAS:7440-31-5

RTECS #:XP7320000

Fraction by Wt: 95-99%

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

Ingred N

ame:ANTIMONY (SARA III)
CAS:7440-36-0
RTECS #:CC4025000
Fraction by Wt: 1-5%
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

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE-INHALATION OF FUMES(DURING
SOLDERING):IRRITATION OF EYES AND RESPIRATORY TRAC
T SYSTEM.

CHRONIC:LONG AND REPEATED EXPOSURE TO METAL FUMES CAN CAUSE
PERMANENT RESPIRATORY DAMAGE.

Effects of Overexposure:EXPOSURE TO FUMES MAY CAUSE IRRITATION OF
RESPIRATORY TRACT. METALLIC TASTE IN THE MOUTH.

Medical Cond Aggravated by Exposure:SOME WORKERS WITH PRE-EXISTING
CONDITIONS OF LUNGS, EYES, SKIN, AND THOSE PREVIOUSLY EXPOSED TO
TIN & ANTIMONY MAY BE AT INCREASED RISK.

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First Aid Measures
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First Aid:SKIN BURNS:
FLUSH WITH COLD WATER OR APPLY ICE. IN CASE OF
SEVERE BURNS GET MEDICAL HELP. EYE:FLUSH WITH WATER FOR 15 MINUTES.
GET MEDICAL HELP.INHALATION:REMOVE TO FRESH AIR. ADMINISTER OXYGEN
IF BREA THING IS DIFFICULT. IF NOT BREATHING, BEGIN ARTIFICIAL
RESPIRATION. GET MEDICAL HELP. INGESTION:DRINK LARGE AMOUNTS OF
WATER. GET MEDICAL HELP. NEVER GIVE LIQUIDS TO AN UNCONSCIOUS
PERSON.

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Fire Fighting Measures
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Extinguishing Media:DRY CH
EMICAL. DO NOT USE WATER.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE
PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS. IF GENERATED, DUST
IS EXPLOSIVE ABOVE 1100F.

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Accidental Release Measures
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Spill Release Procedures:COLLECT AND USE. CLEA

WASH UP ANY DUST OR WASTE

RESIDUES AND PLACE IN SUITABLE DOT APPROVED CONTAINERS AND DISPOSE OF IN FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. AVOID INHALATION AND SKIN EXPOSURE. DO NOT GENERATE DUST DURING CLEAN UP.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:NO SPECIAL REQUIREMENTS FOR STORAGE.

WEAR GLOVES AND FLAME RETARDANT CLOTHING WHEN SOLDERING.

Other Precautions:DO NOT BREATHE FUMES OR DUST.

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

Respiratory Protection:USE FUME/ORGANIC VAPOR RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN SOLDERING IN A CONFINED SPACE OR WHERE LOCAL EXHAUST OR GENERAL VENTILATION DOES NOT KEEP EXPOSURE BELOW RECOMMENDED LIMITS. USE ONLY NIOSH APPROVED RESPIRATORS.

Ventilation:USE ENOUGH VENTILATION WHEN SOLDERING TO KEEP THE DUST, FUMES & GASES BELOW TLV.

Protective Gloves:HEAT RESISTANT GLOVES DURING SOLDERING.

Eye Protection:OSHA APPROVED GOGGLES/FACE SHIELD

Other Protective Equipment:PROTECTIVE CLOTHING TO AVOID CONTACT, AND GLOVES WHEN SOLDERING.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

DIAMETER: 0.094 INCHES.

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

HCC:N1

Boiling Pt:B.P. Text:2516F,1380C

Melt/Freeze Pt:M.P/F.P Text:458F,237C

Vapor Pres:1 AT 1627F

Solubility

in Water:INSOLUBLE

Appearance and Odor:GREY SOLID, ODORLESS

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===== 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). IF GENERATED, DUST IS EXPLOSIVE ABOVE 1100F.

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

Waste Disposal Methods:DISPOSE OF ACCORDING TO FEDERAL, STATE & LOCAL

REGULATIONS.

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