

GARDINER SOLDER CO DIV OF GARDINER METAL CO -- TIN LEAD ANTIMONY ALLOY: WW-300
CORE -- 3439-00-438-6292

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

Product ID:TIN LEAD ANTIMONY ALLOY: WW-300 CORE

MSDS Date:05/01/1990

FSC:3439

NIIN:00-438-6292

MSDS Number: BJZTX

=== 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: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: 67%

Other REC Limits:NONE SPECIFIED

OSHA PE

L: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: 0.2-2.2%
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: 37%
Other REC Limits:NONE SPECIFIED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9192

Ingred Name:ROSIN ACID
CAS:8050-09-7
Fraction by Wt: 0.5
-3%
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:YES
Health Hazards Acute and Chronic:ACUTE-INHALATION OF FUMES(DURING
SOLDERING):IRRITATION OF EYES AND RESPIRATORY TRACT SYSTEM.
CHRONIC:LONG AND REPEATED EXPOSURE TO METAL FUMES MAY CAUSE
HEADACHE, NAUSEA/VOMITING, ACHING BONES, FATIGUE, DECREASED
APPETITE, ABDOMINAL
CRAMPING, ANEMIA, BRAIN, HEART, LUNG, LIVER AND
KIDNEY DEGENERATIVE CHANGES.
Explanation of Carcinogenicity:FORMALDEHYDE IS LISTED AS A PROBABLE
CARCINOGEN BY NTP,IARC, EPA,& IT IS REGULATED BY OSHA.
Effects of Overexposure:EXPOSURE TO FUMES MAY RESULT IN IRRITATION OF
NOSE, THROAT, EYES AND SKIN. BURNS FROM SKIN CONTACT OF MOLTEN
SOLDER. WATERY EYES, HEADACHE, BREATHING DIFFICULTY, FREQUENT
COUGHING.
Medical Cond Aggravated by Exposure:SOME WORKERS WITH PRE-EXISTING
COND

ITIONS OF LUNGS, EYES, SKIN, AND THOSE PREVIOUSLY EXPOSED TO
LEAD & ANTMONY MAY BE AT INCREASED RISK.

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

First Aid:SKIN BURNS:FLUSH WITH COLD WATER OR APPLY ICE. IN CASE OF
SEVERE BURNS GET MEDICAL HELP. EYE IRRITATION:FLUSH WITH WATER FOR
15 MINUTES. INHALATION:REMOVE TO FRESH AIR. ADMINISTER OXYGEN IF
BREATHING IS DIFFICULT. IF NOT BREATHING, BEGIN ARTIFICIAL
RESPIRATION. GET MEDICAL HELP. INGESTION:GET ME
DICAL HELP.

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

Extinguishing Media:USE DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:INCOMPLETE COMBUSTION OR HEAT OF FIRE MAY
PRODUCE HAZARDOUS FUMES OF FOMALDEHYDE.

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

Spill

Release Procedures:CLEAN 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.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:NO SPECIAL REQUIREMENTS FOR STORAGE.
WEAR GLOVES AND FLAME RETARDANT CLOTHING WHEN SOLDERING.

Other Precautions:DO NOT INHALE FUMES.

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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:LEATHER GLOVES

Eye Protection:OSHA APPROVED GOGGLES/FACE SHI

ELD

Other Protective Equipment:FLAME RETARDANT CLOTHING AND LEATHER GLOVES
WHEN SOLDERING.

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

Supplemental Safety and Health

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

HCC:N1

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

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

Spec Gravity:8.6-11G/CC @23C

Solubility in Water:INSOLUBLE

Appearance and Odor:SILVER GREY SOLID, ODORLESS

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS AND BASES

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:TOXIC METAL FUMES ABOVE 886C(1627F).

FROM THE ROSIN CORE; FORMALDEHYDE, CARBON MONOXIDE & DIOXIDE.

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

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

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