

GARDINER SOLDER CO, DIV OF GARDINER METAL CO -- TIN/SILVER ALLOY: X-45 CORE --
3439-00-968-3370

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

Product ID:TIN/SILVER ALLOY: X-45 CORE

MSDS Date:05/01/1990

FSC:3439

NIIN:00-968-3370

MSDS Number: BQNRH

=== 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

Inf

o Phone Num:800-424-9300

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

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/Information on Ingredi

ents =====

Ingred Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
Fraction by Wt: 94-96%
Other REC Limits:O.O3 MG/M3
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9293

Ingred Name:SILVER (SARA III)
CAS:7440-22-4
RTECS #:VW3500000
Fraction by Wt: 3.5-6%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3; 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

===== 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:INHALAATION OF DUCT MAY CAUSE
IRRITATION. PROLONGED EXPOSURE CAN CAUSE PERMANENT RESPIRATORY
DAMAGE. HEALTH STUDIES HAVE SHOWN THAT POTENTIAL HEALTH RISKS MAY
VARY BY INDIVIDUAL. ALWAYS MINIMIZE EXPO SURE AS A PRECAUTION.
Explanation of Carcinogenicity:FORMALDEHYDE IS LISTED AS A PROBABLE
CARCINOGEN BY NTP,IARC, EPA
,& IT IS REGULATED BY OSHA.
Effects of Overexposure:METALLIC TASTE IN MOUTH. IRRITATION OF THE
RESPIRATORY TRACT.
Medical Cond Aggravated by Exposure:RESSPIRATORY & LUNG CONDITIONS.

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

First Aid:SKIN:FLUSH WITH WATER IMMEDIATELY. TREAT FOR BURNS, SEEK
MEDICAL ATTENTION. EYE IRRITATION:FLUSH WITH WATER FOR 15 MINUTES.
SEEK MEDICAL ATTENTION. INHALATION:REMOVE TO FRESH AIR. SUPPORT
RESPIRATION. GET MEDICAL HELP. I

INGESTION:DRINK LARGE AMOUNTS OF
WATER AND SEEK MEDICAL ATTENTION.

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

Fire Fighting Procedures:USE SELF CONTAINED BREATHING APPARATUS ABOVE
1400C (2552F).

Unusual Fire/Explosion Hazard:IF GENERATED, DUSST IS EXPLOSIVE ABOVE
100 F. INCOMPLETE THERMAL DEGRADATION OF RESINS ARE KNOWN TO GIVE
OFF SMELL OF FORMALDEHYDE.

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Accidental Release Measures
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Spill Release Procedures:COLLECT AND USE. IF CONTAMINATED OR IN SMALL
PARTICLES, VACUUM OR COLLECT THE MATERIAL. NEVER USE METHODS THAT
GENERATE DUST.

Neutralizing Agent:NONE

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Handling and Storage
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Handling and Storage Precautions:NO INFORMATION GIVEN ON MSDS BY MFR.

Other Precautions:AVOID CONTACT WITH FUMES OR DUST.

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Exposure Controls/Personal Protection
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Respiratory Protection:ABOVE TLV,
NIOSH APPPROVED RESPIRATORS - SEE
29CFR1910.134.

Ventilation:LOCAL EXHAUST IS PREFERRED, MECANICAL IS OK.

Protective Gloves:HEAT RESISTANT DURING SOLDERING

Eye Protection:GOGGLES OR FACE SHIELD DURING SOLDERING

Other Protective Equipment:AS REQUIRED TO AVOID CONTACT.

Work Hygienic Practices:WASH AFTER USE. FOLLOW GOOD INDUSTRIAL HYGIENE
PRACTICES.

Supplemental Safety and Health

KEY2:KT

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Physical/Chemical Properties
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HCC:N1

NRC/State Lic Num:NONE

B

Boiling Pt: B.P. Text: 2210F, 1210C
Melt/Freeze Pt: M.P/F.P Text: 453F, 234C
Vapor Pres: 1 AT 1626F
Spec Gravity: 7.46
Evaporation Rate & Reference: NAP
Solubility in Water: NIL
Appearance and Odor: GREY SOLID, ODORLESS

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

Stability Indicator/Materials to Avoid: YES
STRONG OXIDIZING AGENTS. STRONG ACIDS.
Stability Condition to Avoid: NONE
Hazardous Decomposition Products: TOXIC METAL FUMES ABOVE 1375C (2507F).
Conditions to Avoid Polymerization: WILL NOT OCCUR

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

Waste Disposal Methods: NEVER DISPOSE OF IN TRASH. HOLD FOR RECYCLING OR DISPOSE OF I/A/W FEDERAL, STATE & LOCAL REGULATIONS.

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