

GARDINER METAL CO -- TIN-SILVER ALLOYS -- 3439-01-068-9239

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Product Identification  
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Product ID:TIN-SILVER ALLOYS

MSDS Date:02/01/1994

FSC:3439

NIIN:01-068-9239

MSDS Number: BTHWQ

=== Responsible Party ===

Company Name:GARDINER METAL CO

Address:4820 S CAMPBELL AVE

City:CHICAGO

State:IL

ZIP:60632-1494

Country:US

Info Phone Num:312-847-0100

Emergency Phone Num:312-847-0100\*800-424-9300(CHE  
MTREC)

CAGE:73766

=== Contractor Identification ===

Company Name:GARDINER METAL CO

Address:4820 SOUTH CAMPBELL AVENUE

City:CHICAGO

State:IL

ZIP:60632

Country:US

Phone:312-847-0100, 800-424-9300

CAGE:73766

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

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Composition/Information on Ingredients  
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Ingred Name:TIN

CAS:7440-31-5

RT

ECS #:XP7320000  
Fraction by Wt: 93 - 99%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9192

Ingred Name:SILVER (SARA III)  
CAS:7440-22-4  
RTECS #:VW3500000  
Fraction by Wt: 1 - 7%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.01 MG/M3  
ACGIH TLV:0.1 MG/M3; 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health H

azards Acute and Chronic:ACUTE & CHRONIC:INHALATION OF DUST MAY  
CAUSE IRRITATION. PROLONGED EXPOSURE CAN CAUSE PERMANENT  
RESPIRATORY DAMAGE. HEALTH STUDIES HAVE SHOWN THAT POTENTIAL HEALTH  
RISKS MAY VARY BY INDIVIDUAL. ALWAYS MINIMIZE EXPOSURE AS A  
PRECAUTION.

Explanation of Carcinogenicity:MANUFACTURER GAVE NO COMMENTS OTHER THAN  
THE ABOVE REFERENCES TO THE THREE LISTINGS.

Effects of Overexposure:METALLIC TASTE IN THE MOUTH. IRRITATION OF THE  
RESPIRATORY TRACT.

Medical

Cond Aggravated by Exposure:RESPIRATORY/LUNG CONDITIONS

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

First Aid:SEEK MEDICAL ATTENTION. EYES:FLUSH WITH WATER FOR 15 MINUTES.  
SKIN:FLUSH WITH WATER IMMEDIATELY.TREAT FOR BURNS.  
INHALATION:REMOVE TO FRESH AIR.SUPPORT RESPIRATION IF REQUIRED.  
INGESTION: DRINK LARGE AMOUNT OF WATER.NEVER GIVE LIQUIDS TO AN  
UNCONSCIOUS PERSON.

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

Flash Point:NO

N-FLAMMABLE

Extinguishing Media: DRY CHEMICAL. DO NOT USE WATER.

Fire Fighting Procedures: USE SELF CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard: IF GENERATED, DUST IS EXPLOSIVE ABOVE 1100 F.

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

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

===== Handling and Storage =====  
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Handling and Storage Precautions: STORE AWAY FROM OXIDIZING MATERIALS.  
Other Precautions: AVOID CONTACT WITH FUMES AND DUST.

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

Respiratory Protection: ABOVE TLV, NIOSH APPROVED RESPIRATORS - SEE 29 CFR 1910.134.

Ventilation: LOCAL EXHAUST PREFERRED. MECHANICAL EXHAUST IS OK.

Protective Gloves: HEAT RESISTANT DURING SOLDERING

Eye Protection: GOGGLES/FACE SHIELD DURING SOLDERING

Other Protective Equipment: AS REQUIRED TO AVOID CONTACT.

Work Hygienic Practices: WASH AFTER USE. FOLLOW GOOD INDUSTRIAL HYGIENIC PRACTICE.

Supplemental Safety and Health  
NONE

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

HCC: N1

NRC/State Lic Num: NONE

Boiling Pt: B.P. Text: 4010F, 2210C

Melt/Freeze Pt: M.P/F.P Text: 486F, 252C

Vapor Pres: