

GARDINER SOLDER CO, DIV OF GARDINER METAL CO -- TIN,LEAD,SILVER SOLDER,XM-200 CORE
-- 3439-01-157-7678

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

Product ID:TIN,LEAD,SILVER SOLDER,XM-200 CORE

MSDS Date:04/23/1993

FSC:3439

NIIN:01-157-7678

MSDS Number: BRPHB

=== Responsible Party ===

Company Name:GARDINER SOLDER CO, DIV OF GARDINER METAL CO

Address:4820 S CAMPBELL AVE

City:CHICAGO

State:IL

ZIP:60632

Count

ry:US

Info Phone Num:312-847-0100

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

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: 92 - 94%

Other REC Limits:

NONE RECOMMENDED

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15 MG/M3;DUST 9293

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:SILVER (SARA III)

CAS:7440-22-4

RTECS #:VW3500000

Fraction by Wt: 5 - 6%

Other REC Limits:NONE RECOMMENDED

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:TIN

CAS:7440-31-5

RTECS #:XP7320000

Other REC Limits:NONE RECOMMENDED

OMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) NOT RELEVANT

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ACUTE AND CHRONIC- HEALTH STUDIES HAVE SHOWN THAT POTENTIAL HEALTH RISKS MAY VARY BY INDIVIDUAL. ALWAYS MINIMIZE EXPOSURE AS A PRECAUTION. MAY CAUSE EYES, SKIN AND RESPIRATORY TRACT IRRITATION. HARMFUL IF SWALLOWED.

Explanation of Carcinogenicity:CONTAINS LEAD.

Effects of Overexposure:METALLIC TASTE, EYES, SKIN AND RESPIRATORY TRACT IRRITATION

Medical Cond Aggravated by Exposure:RESPIRATORY/LUNG CONDITIONS

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:REMOVE CONTAMINATED CLOTHING. FLUSH SKIN WITH WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR. PROVIDE OXY GEN/CPR I

F NEEDED. ORAL:IF CONSCIOUS, DRINK LARGE AMOUNT OF WATER. GET MEDICAL ATTENTION.

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

Flash Point:NONE

Extinguishing Media:DRY SAND, DRY CHEMICAL. DO NOT USE WATER ON FIRE WHERE MOLTEN METALS IS PRESENT.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:MOLTEN METALS PRODUCE FUME OR VAPOR THAT MAY BE TOXIC AND/OR RESPIRATORY IRRITANTS. REACTS VIOLENTLY WITH OXIDIZING AGENTS. ROSINS MAY FORM FORMALDEHYDE.

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

Spill Release Procedures:COLLECT AND USE. IF CONTAMINATED OR IN SMALL PARTICLES, VACUUM OR COLLECT MATERIAL. NEVER USE ANY METHOD WHICH GENERATE DUST. DO NOT USE FORCED AIR FOR CLEANING. WEAR NIOSH-APPROVED DUST MASK IF DUSTY CONDITION.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:KEEP AWAY FROM MOISTURE & STRONG OXIDIZERS.

Other Precautions:READ WARNING LABELS. KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY. DO NOT TAKE INTERNALLY. DO NOT GENERATE DUST. DO NOT BREATHE DUST OR FUMES. AVOID CONTACT WITH DUST OR FUMES.

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

Respiratory Protection:REQUIRED IF TLV'S ARE NOT BEING MAINTAINED. USE

NIOSH APPROVED RESPIRATOR FOR EITHER ORGANIC VAPORS, DUST/FUME (HIGH EFFICIENCY FILTERS) OR BOTH IF TLVS ARE EXCEEDED.

Ventilation:LOCAL DUST PICK UP AND VENTILATION RECOMMENDED.

Protective Gloves:HEAT RESISTANT DURING SOLDERING

Eye Protection:FACE SHIELD/GOGGLES DURING SOLDERING

Other Protective Equipment:INSTALL EYE WASH STATION.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A UNDER THE SAME NSN.

===== **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 @ 1627F

Spec Gravity:8.55 - 11.0

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:INSOLUBLE

Appearance and Odor:SILVER-GREY SOLID, ODORLESS

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

Sta

bility Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: NONE

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

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

Waste Disposal Methods: NEVER DISPOSE OF IN TRASH. HOLD FOR RECYCLING OR DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

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