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GARDINER SOLDER CO, DIV OF GARDINER METAL CO -- TIN/LEAD/ANTIMONY ALLOY,XM-200
CORE,SN 63 W -- 3439-01-233-1125

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

Product ID:TIN/LEAD/ANTIMONY ALLOY,XM-200 CORE,SN 63 W

MSDS Date:01/04/1993

FSC:3439

NIIN:01-233-1125

MSDS Number: BQDQK

=== Responsible Party ===

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

Address:4820 S CAMPBELL AVE

City:CHICAGO

State:I

L

ZIP:60632-1416

Country:US

Info Phone Num:312-847-0100

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

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: 5- 94

.3%

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:TIN

CAS:7440-31-5

RTECS #:XP7320000

Fraction by Wt: 5- 94.3%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9293

Ingred Name:ANTIMONY (SARA III)

CAS:7440-36-0

RTECS #:CC4025000

Fraction by Wt: 0.5% MAX

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.5 MG/M3

Product Name:ROSIN ACID
CAS:8050-09-7
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:UNKNOWN IARC:UNKNOWN OSHA:NO
Health Hazards Acute and Chronic:ACUTE AND 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:CONTAINS LEAD WHICH MAY CAUSE CANCER.
Effects of Overexposure: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.
Medical Condition Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS
OR WITH A PRE-EXISTING DISEASE INVOLVING RESPIRATORY
TRACT MAY BE
AT INCREASED RISK FROM EXPOSURE.

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

First Aid:CALL FOR MEDICAL AID. EMPLOY FIRST AID TECHNIQUES RECOMMENDED
BY THE AMERICAN RED CROSS. INHALED:REMOVE TO FRESH AIR. PROVIDE
CPR/OXYGEN IF NEEDED. IN CASE OF ELECTRICAL SHOCK, TURN OFF POWER &
FOLLOW RECOMMENDED TREATMENT. IN CASE OF BURNS, CALL PHYSICIAN. IF
IN EYES, FLUSH WITH WATER FOR 15 MINUTES. IF SKIN IS BURNED, TREAT
FOR BURN.

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

Flash Point:NONFLAMMABLE
Extinguishing Media:DRY CHEMICAL, DO NOT USE WATER.
Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS ABOVE
886C (1627F).
Unusual Fire/Explosion Hazard:INCOMPLETE THERMAL DEGRADATION OF RESINS
ARE KNOWN TO GIVE OFF SMALL AMOUNTS OF FORMALDEHYDE.

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

Spill Release Procedures:IF MATERIAL IS RELEASED OR SPILLED, COLLECT

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

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORAGE- STORE IN A DRY PLACE.

Other Precautions:READ AND UNDERSTAND THE MANUFACTURER'S INSTRUCTIONS AND THE PRECAUTIONARY LABEL ON THE PRODUCT. AVOID BREATHING FUMES OR DUSTS.

===== Exposure Controls/Personal Protection ====
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Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHILE WELDING IN CONFINED SPACE OR GENERAL WORK AREA.

Ventilation:LOCAL EXHAUST AT THE ARC.

Protective Gloves:WELDER'S GLOVES

Eye Protection:HELMET OR FACE SHIELD WITH FILTER LENS

Other Protective Equipment:WEAR HAND, HEAD AND BODY PROTECTION WHICH HELP TO PREVENT INJURY FROM RADIATION, SPARKS AND ELECTRICAL SHOCK.

Work

Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

INSULATE FROM WORK AND GROUND. TRAIN THE WELDER NOT TO PERMIT ELECTRICALLY LIVE PARTS TO CONTACT SKIN OR CLOTHING OR GLOVES IF THEY ARE WET.

===== 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 @ 886C

Spec Gra

vity:8.55 - 11.0

Solubility in Water:INSOLUBLE

Appearance and Odor:SILVER GREY SOLID, ODORLESS

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, STRONG OXIDIZING AGENTS

Stability Condition to Avoid:NONE

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

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

Waste Disposal Methods:NEVER DISPOSE IN TRASH. HOLD FOR RECYCLING OR DISPOSE

OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL
REGULATIONS.

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