

GARDINER SOLDER COMPANY DIV GARDINER METAL CO -- TIN/LEAD/ANTIMONY ALLOY: XM-200
CORE; PRODU -- 3439-01-146-6953

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

Product ID:TIN/LEAD/ANTIMONY ALLOY: XM-200 CORE; PRODU

MSDS Date:08/01/1992

FSC:3439

NIIN:01-146-6953

MSDS Number: BPFJX

=== Responsible Party ===

Company Name:GARDINER SOLDER COMPANY DIV 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

CAGE:84311

=== Contractor Identification ===

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

=====
Composition/Information on Ingredients
=====

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 5-94.8%

Other REC Limits:

NONE SPECIFIED

OSHA PEL: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:TIN

CAS:7440-31-5

RTECS #:XP7320000

Fraction by Wt: 5-94.8%

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

Ingred Name:ANTIMONY (SARA III)

CAS:7440-36-0

RTECS #:CC4025000

Fraction by Wt: 0.2-2.0%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.5 MG/M3

Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:HEALTH STUDIES HAVE SHOWN TYHAT
POTENTIAL HEALTH RISK MAY VARY BY INDIVIDUAL. ALWAYS MINIMIZE
EXPOSURE AS A PRECAUTION. SEE OSHA SUBPART Z[29.CFR](1910.1025)
Explanation of Carcinogenicity:NOT LISTED BY NTP AS A CARCINOGEN. IARC
MONOGRAP
HS, LEAD-SUSPECT.
Effects of Overexposure:METALLIC TASTE IN THE MOUTH. IRRITATION OF THE
RESPIRATORY TRACT. SEE OSHA SUBPART Z[29.CFR](1910.1025)
Medical Cond Aggravated by Exposure:RESPIRATORY/LING CONDITIONS. SEE
OSHA SUBPART Z[29.CFR](1910.1025)

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

First Aid:SKIN: FLUSH WITH WATER IMMEDIATELY - TREAT FOR BURNS, SEE
DOCTOR IF REQUIRED. EYES: FLUSH WITH WATER FOR 15 MIN. - SEE
DOCTOR. INGESTION: DRINK LARGE AMOU
NTS OF WATER - SEE DOCTOR. NEVER
GIVE LIQUIDS TO AN UNCONSCIOUS PERSON. INHALATION: REMOVE TO FRESH
AIR. SUPPORT RESPIRATION IF REQUIRED - SEE DOCTOR.

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

Flash Point:NONFLAMMABLE
Autoignition Temp:Autoignition Temp Text:NONE
Extinguishing Media:DRY SAND, DRY CHEMICAL, DO NOT USE WATER.
Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS ABOVE
1000C.
Unusual Fire/Explosion Hazard:NONE.

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

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

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.
Other Precautions:AVOID CONTACT WITH FUMES AND DUST.

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

Respiratory Protection:0.03

MG/M3 - HALF MASK; 2.5 MG/M3 - FULL FACE
MASK; 50 MG/M3 - SELF-SUSTAINED RESPIRATORY SUIT.
Ventilation:LOCAL EXHAUST PREFERRED, SPECIAL HEPA FILTER REQUIRED.
MECHANICAL 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 HYGIENIC PRACTICES.
Supplemental Safety and Health
EXPOSURE TO LEAD IS REGULATED BY OSHA 1910.1025

=

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

HCC:T4
Boiling Pt:B.P. Text:2516F,1380C
Melt/Freeze Pt:M.P/F.P Text:360F,182C
Vapor Pres:1 MMHG0
Spec Gravity:7.55-11.0 G/CC
Solubility in Water:INSOLUBLE
Appearance and Odor:SILVER GREY SOLID, ODORLESS.

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

Stability Indicator/Materials to Avoid:YES
OXIDIZING MATERIALS.
Stability Condition to Avoid:NONE
Hazardous Decomposition Products:TOXIC METAL FUMES ABOVE 10
0C

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

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

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate

te and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.