

GARDINER SOLDER CO, DIV OF GARDINER METAL CO -- TIN LEAD ANTIMONY ALLOY,XM-200  
CORE -- 3439-00-153-4280

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

Product ID:TIN LEAD ANTIMONY ALLOY,XM-200 CORE

MSDS Date:05/01/1990

FSC:3439

NIIN:00-153-4280

MSDS Number: BMDMM

=== Responsible Party ===

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

Address:4820 S CAMPBELL AVE

City:CHICAGO

State:IL

ZIP:60632-141

6

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- 94.8%

Other REC L

imits: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%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.5 MG/M3

ROSIN  
CAS:8050-09-7  
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES 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. INHALE: MAY CAUSE RESPIRATORY TRACT IRRITATION. EYE: MAY CAUSE IRRITATION. SKIN : MAY CAUSE IRRITATION & BURN.  
Explanation of Carcinogenicity:CONTAINS LEAD  
Effects of Overexposure:METALLIC TASTE IN THE MOUTH. IRRITATION OF THE RESPIRATORY TRACT.  
Medical Cond Aggravated by Exposure:RESPIRATORY/LUNG CONDITIONS

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

First Aid:GET MEDICAL CARE. EYES: FLUSH WITH WATER FOR 15 MINUTES,HOLDING EYELIDS OPEN. SKIN:FOR BURNS,COOL WITH COLD WATER. INHALATION: REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED.  
INGESTION: IF CONSCIOUS, DRINK LARGE AMOUNT OF WATER. GET MEDICAL HELP IMMEDIATELY.

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

Flash Point:NONE  
Extinguishing Media:DRY SAND, DRY CHEMICAL. DO NOT USE WATER.  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS.  
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 GENERATE DUST.

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

Handling and Storage Precautions:STORAGE- KEEP AWAY FROM MOISTURE & STRONG OXIDIZERS.  
Other Precautions:LEAD 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 H

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

Supplemental Safety and Health

===== 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 @ 1626F

Spec Gravity:7.55

Solubility in Water:INSOLUBLE

Appearance and Odor:SILVER GREY SOLID, ODORLESS

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

=====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:TOXIC METAL FUMES ABOVE 1000 C (1832 F).

===== 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.

Disclaimer (provided with this information by the compiling agencies):

Thi

s 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 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.