

GARDINER METAL CO. -- TIN LEAD ANTIMONY ALLOY XM-200 CORE -- 3439-00-602-5878

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

MSDS Date:05/01/1990

FSC:3439

NIIN:00-602-5878

MSDS Number: BNQBS

=== Responsible Party ===

Company Name:GARDINER METAL CO.

Address:4820 S CAMPBELL AVE

City:CHICAGO

State:IL

ZIP:60632-1416

Country:US

Info Phone Num:312-847-0100

Emergency P

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

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: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
ACGIH TLV:0.5 MG SB/M3; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

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

LD50 LC50 Mixture:TLV FOR WELDING FUMES IS 5 MG/M3
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: FUMES AND GASES CAN CAUSE EYES
AND UPPER RESPIRATORY SYSTEM IRRITATION, AND

CENTRAL NERVOUS SYSTEM

EFFECTS. ARC RAYS CAN INJURE EYES AND BURN SKIN. ELECTRIC SHOCK CAN KILL. NOISE CAN DAMAGE HEARING. CHRONIC: NEUROLOGICAL DAMAGE, LUNG FIBROSIS, PNEUMOCONIOSIS. LEAD IS A SUSPECTED CARCINOGEN.

Explanation of Carcinogenicity:LEAD IS A SUSPECTED CARCINOGEN.

Effects of Overexposure:SHORT TERM EXPOSURE: METALLIC TASTE, NAUSEA, FEVER, DIZZINESS, DRYNESS, IRRITATION OF EYES, NOSE AND THROAT, SKIN SENSITIVITY. ACUTE EXPOSURE: SAME SYMPTOMS TO HIGHER DEGREE A

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WELL AS WATERY EYES, HE ADACHE, BREATHING DIFFICULTY, FREQUENT COUGHING, CHEST PAINS.

Medical Cond Aggravated by Exposure:AGGRAVATION OF EXISTING RESPIRATORY OR ALLERGIC CONDITIONS.HIGHER LEVEL OF LUNG RELATED PROBLEMS AMONG SMOKERS.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, GIVE CPR. IF NO DETECTABLE PULSE, GIVE HEART MASSAGE. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SKIN: TREAT FOR BURNS. INGESTION: SEEK MEDICAL ATTENTION.

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

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:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUE AND PLACE IN APPROPRIATE DISPOSAL CONTAINER. AVOID INHALATION AND SKIN EXPOSURE.

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

Handling and Storage Precautions:STORE IN DRY AREA. ELECTRODES EXPOSED TO MOISTURE MAY EXPLODE VIOLENTLY IF USED. DRY MOIST RODS BY BAKING AT 300F FOR TEN HOURS.

Other Precautions:TRAIN WELDER TO KEEP HI

SHUT YOUR HEAD OUT OF THE FUMES.

MONITOR AIR TO ENSURE ACCEPTABLE EXPOSURES. AVOID ELECTRICAL SHOCK BY MAINTAINING DRY WORK AREA.

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

Respiratory Protection:FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR IN CONFINED SPACES OR WHERE VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:LOCAL EXHAUST TO KEEP BELOW TLV.

Protective Gloves:WELDER'S GLOVES.

Eye Protection:HELMET OR FACE SHIELD WITH FILTER LENS.

Other Protective

Equipment:SUBSTANTIAL DARK CLOTH, ARM PROTECTOR, APRON, HAT AND SHOULDER PROTECTION. AIR SAMPLING TO DETERMINE CORRECTIVE MEASURES

Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING, SMOKING OR USING SANITARY FACILITIES.

Supplemental Safety and Health
NONE.

===== 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

Spec Gravity:7.55-11.00

Solubility in Water:INSOLUBLE

Appearance

Color and Odor:SILVER-GREY SOLID WIRE. ODORLESS

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:FUMES OF METALS AND METAL OXIDES FROM ELECTRODE AND BASE METAL, CARBON MONOXIDE, CARBON DIOXIDE, OZONE, NITROGEN OXIDES.

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

Waste Disposal Methods:CONSULT WITH YOUR LOCAL EN

VIRONMENTAL OFFICER.

DISPOSE OF FUMES, FLUX OR WELD GRINDING RESIDUE FROM THE WORK AREA OR FROM FILTERS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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