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GARDINER SOLDER CO, DIV OF GARDINER METAL CO -- TIN/LEAD SOLDER X100

3439-00-824-9856

Product ID:TIN/LEAD SOLDER X100

MSDS Date:06/08/1988

FSC:3439

NIIN:00-824-9856

MSDS Number: BHLXK === Responsible Party ===

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

Address:4820 S CAMPBELL AVE

City:CHICAGO

State:IL

ZIP:60632-1416

Country:US

Info Phone Num:31

2-847-0100

Emergency Phone Num:312-847-0100

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:TIN CAS:7440-31-5

RTECS #:XP7320000 Fraction by Wt: 61.5% Other REC Limits:2 MG/M3

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

Ingred Name:

LEAD (SARA III)
CAS:7439-92-1
RTECS #:OF7525000
Fraction by Wt: 37.53%

Other REC Limits:0.05 MG/M3 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:ROSIN ACID

CAS:8050-09-7

Other REC Limits:NONTOXIC

========== 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: ACUTE: WHILE IT IS POSSIBLE

FOR LEAD

TAKEN IN EXTREMELY LARGE DOSES TO CAUSE ENCEPHALOPATHY, A BRAIN CONDITION THAT CAN RESULT IN SEIZURES, COMA AND DEATH, EXPOSURES OF THIS MAGNITUDE ARE HIGHLY UNUSU AL. CHRONIC: MAY RESULT IN DAMAGE TO THE BLOOD-FORMING, NERVOUS, URINARY AND REPRODUCTIVE SYSTEMS.

Explanation of Carcinogenicity: NOT LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Effects of Overexposure:LOSS OF APPETITE, METALLIC TASTE IN THE MOUTH, ANXIETY, CONSTIPATION, NAUSEA, PALLOR, EXCESSIVE TIRE DNESS.

WEAKNESS, INSOMNIA, HEADACHE, NERVOUS IRRITABILITY, MUSCLE AND JOINT SORENESS, TREMORS, DIZZI NESS, AND ABDOMINAL PAIN.

Medical Cond Aggravated by Exposure:DISEASES OF THE BLOOD-FORMING, NERVOUS, URINARY AND REPRODUCTIVE SYSTEMS. EXPOSURE TO LEAD MAY RESULT IN INJURY TO A DEVELOPING FETUS.

First Aid:IF A PERSON BREATHES IN A LARGE AMOUNT OF FUMES, REMOVE FROM EXPOSURE. IF BREATHING HAS STOPPED, PERF ORM ARTIFICIAL RESPIRATION.

CALL A PHYSICIAN. INGESTION IS NOT LIKELY. CALL A PHYSICIAN. IF LEAD GE TS IN EYES, FLUSH WITH A LARGE AMOUNT OF WATER. CALL A PHYSICIAN.

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

Flash Point:NONE

Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO CO

OL NEARBY CONTAINERS EXPOSED TO FIRE. Unusual Fire/Explosion Hazard: FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS. ======== Accidental Release Measures ============ Spill Release Procedures: MATERIAL IS IN SOLID FORM; PICK UP AND REUSE. WHEN MOLTEN, LET SOLIDIFY AND REUSE IF NOT CONTAMINATED. IF CONTAMINATED, SELL FOR RECYCLING. FINE DUST SHOULD BE VACUUMED. ============= Handling and Storage ========================== Hand ling and Storage Precautions: NONE REQUIRED. Other Precautions: NONE ====== Exposure Controls/Personal Protection ======== Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATOR FOR LEAD, IF EXPOSURES EXCEED THE OSHA LIMIT. Ventilation: USE ENOUGH VENTILATION WHEN SOLDERING TO KEEP THE METAL AND FLUX FUMES FROM THE WORKERS BREATHING ZONE & BELOW PEL. Protective Gloves:LEATHER GLOVES Eye Protection: OSHA APPROVED SAFETY GLASSES. Other Protective Equipment: NONE REQUIRED Work Hygienic Practices: USE DISPOSABLE GLOVES DURING SOLDERING. IF WIRE HANDLED WITH BARE HANDS, ALWAYS WASH THOROUGHLY BEFORE EATING OR **SMOKING** Supplemental Safety and Health EXPOSURE TO LEAD IS REGULATED BY OSHA 1910.1025 ========= Physical/Chemical Properties =========== HCC:N1 Boiling Pt:B.P. Text:3164F,1740C Melt/Freeze Pt:M.P/F.P Text:358F,181C Vapor Pres:1 Spec Gravity:8.55 Solubility in Water: NEGLIGIBLE

Appearance and Odor: SOLID SILVER GREY METAL WITH FLUX CORE; N

O ODOR		
Percent Volatiles	by	Volume:0

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES
Hazardous Decomposition Products:HIGH TEMPERATURES CAN PRODUCE METAL
VAPORS/FUMES, CARBON DIOXIDE AND MONOXIDE, VARIOUS HYDROCARBONS,
METAL OXIDES & NOX.

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

Waste Disposal Methods
:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE &
LOCAL LAWS AND REGULATIONS.

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