

GARDINER SOLDER CO. -- WW-300 SOLDER (LEAD/TIN/ANTIMONY) -- 3439-00-517-8208

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

Product ID:WW-300 SOLDER (LEAD/TIN/ANTIMONY)

MSDS Date:04/20/1986

FSC:3439

NIIN:00-517-8208

MSDS Number: BGXJZ

=== Responsible Party ===

Company Name:GARDINER SOLDER CO.

Address:4820 SOUTH CAMPBELL AVE

City:CHICAGO

State:IL

ZIP:60632

Info Phone Num:312-847-0100

Emergency Phone Num:312-84

7-0100

Preparer's Name:TED VAN DER MOLEN

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%

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: 37.5%

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 (LIMITS ANALYSED AS FORMALDEHYDE)

CAS:8050-09-7

Fraction by Wt: 3.0%

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.1 MG/M3

Ingred Name:ANTIMONY

Fraction by Wt: 0.5%

OSHA PEL:0.05 MG SB/M3

ACGIH TLV:0.05 MG SB/M3

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

LD50 LC50 Mixture:ROSIN:ORAL RAT LD50>5000 MG/KG

Routes of Entry: Inhalati

on:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:BY FAR THE GREATEST HEALTH HAZARD IS
INHALATION OF FUMES PRODUCED DURING USE OF THE PRODUCT IN A
SOLDERING OPERATION. CONTACT RESULTS IN THERMAL BURNS. INGESTION IS
NOT LIKELY.

Explanation of Carcinogenicity:HMIS FOUND REFERENCE WHERE IARC LISTS
INORGANIC LEAD;2B. ALSO NOTE NTP INFO UNDER "LEAD PHOSPHATE & LEAD
ACETATE".

Effects of Overexposure:EYES/SKIN:THERMAL

BURNS FROM CONTACT WITH

MOLTEN SOLDER,OR DERMATITIS/IRRITATION FROM FUMES.

INHALED:RESPIRATORY IRRITATION,NAUSEA,DIZZINESS. ABOVE 900F, LEAD

FUME POISONING MAY PRODUCE ANEMIA INSOMNI

A,WEAKNESS,NAUSEA,ABDOMINAL PAIN,KIDNEY& NERVOUS SYSTEM DISORDERS.

INGESTED:NOT LIKELY.

Medical Cond Aggravated by Exposure:NONE STATED BY MFR.

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

First Aid:SKIN/EYE: BURNS,FLUSH WITH WATER & IF SEVERE,GET MEDICAL
ATTENTION.

IRRITATION/DERMATITIS,REMOVE FROM EXPOSURE,GET MEDICAL ATTENTION. INHALED:REMOVE TO FRESH AIR, CONSULT A PHYSICIAN. INGESTED:CALL POISON CONTROL CENTER IMMEDIATELY.

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

Flash Point:NONE
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:AT ELEVATED TEMPERATURES,MAY EMIT HIGHLY TOXIC FUMES(ESPECIALLY LEAD).

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

Spill Release Procedures:COOL TO SOLIDIFY THEN SCRAPE UP. BEWARE OF FIRES CAUSED BY MOLTEN METAL.
Neutralizing Agent:NONE

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

Handling and Storage Precautions:NO SPECIAL STORAGE REQUIREMENTS.
Other Precautions:FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

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

Respiratory Protection:WEAR NIOSH ORGANIC VAPOR RESPIRATOR IF EXPOSURE EXCEEDS TLV.
Ventilation:PROVIDE GENERAL OR LOCAL EXHAUST TO MAINTAIN EXPOSURES BELOW TLV.
Protective Gloves:MFR:NONE HMIS:PROTECT FROM,THERMAL BURNS
Eye Protection:GOGGLES OR FACE SHIELD.
Other Protective Equipment:NONE NORMALLY NEEDED.
Work Hygienic Practices:USE NORMAL CHEMICAL HYGIENE PRACTICES. WASH BEFORE EATING,DRINKING,SMOKING. DO NOT EAT,DRINK,SMOKE IN AREA OF USE).
Supplemental Safety and Health
PRODUCT CODE 196. % COMPOSITION FROM SPEC.

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

HCC:N1
Solubility in Water:INSOLUBLE
Appearance and Odor:SILVER-GRAY METAL WIRE,ODORLESS.

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

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS,OXIDIZERS.
Stability Condition to Avoid:NONE
Hazardous Decomposition Products:FUMES OF THE METAL COMPONENTS(ESPECIALLY LEAD) AND FROM T

HE ROSEN CORE;CO,ABIETIC
ACID,ALDEHYDES,DITERPENE ACIDS.

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

Waste Disposal Methods:DISPOSE I/A/W FEDERAL,STATE,LOCAL REGULATIONS.
ALLOY PORTION IS RECLAIMABLE.

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 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.