

KESTER SOLDER COMPANY DIV OF LITTON SYSTEMS INC -- SOLDER ALLOYS CONTAINING LEAD
-- 3439-01-019-9100

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

Product ID:SOLDER ALLOYS CONTAINING LEAD

MSDS Date:06/01/1992

FSC:3439

NIIN:01-019-9100

MSDS Number: BNMPH

=== Responsible Party ===

Company Name:KESTER SOLDER COMPANY DIV OF LITTON SYSTEMS INC

Address:515 E TOUHY

City:DES PLAINES

State:IL

ZIP:60018-2675

Country:

US

Info Phone Num:708-297-1600

Emergency Phone Num:708-297-1600

CAGE:09185

=== Contractor Identification ===

Company Name:KESTER SOLDER COMPANY

Address:515 E. TOUHY AVENUE

Box:City:DES PLAINES

State:IL

ZIP:60018

Country:US

Phone:800-424-9300

CAGE:09185

Company Name:KESTER SOLDER DIVISION OF LITTON SYSTEMS, INC.

Address:515 E. TOUHY AVENUE

Box:City:DES PLAINES

State:IL

ZIP:60018

Country:US

Phone:847-297-1600

CAGE:75297

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

Ingred

Name:LEAD (SARA III)
CAS:7439-92-1
RTECS #:OF7525000
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
Other REC Limits:NONE SPECIFIED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9192

Ingred Name:SILVER (SARA III)
CAS:7440-22-4
RTECS #:VW3500000
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:BISMUTH
CAS:7440-69-9
RTECS #:EB2600000
Other REC Limits:NONE SPECIFIED

Ingred Name:ANTIMONY (SARA III)
CAS:7440-36-0
RTECS #:CC4025000
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:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2MG/M3 FUME; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:INDIUM
CAS:7440-74-6
RTECS #:NL105000

0
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.1 MG/M3; 9192

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INGESTION OF LEAD METAL CAN AFFECT
KIDNEYS, GASTROINTESTINAL, REPRODUCTIVE AND NEUROLOGICAL SYSTEMS.
INHALATION- OVER EXPOSURE TO LEAD MAY LEAD TO CNS DISORDERS.
Effects of Overexposure:INHALATION- D
ROWSINESS, SEIZURES, COMA AND
DEATH. EXPOSURE OF THIS MAGNITUDE ARE UNLIKELY.
Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS OR DISEASES
OF THE BLOOD AND BLOOD-FORMING ORGANS, KIDNEYS, NERVES AND POSSIBLY
REPRODUCTIVE SYSTEM.

=====
First Aid Measures
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First Aid:EYES- FOR BURNS FLUSH IMMEDIATELY WITH COOL WATER. SKIN- FOR
BURNS FLUSH IMMEDIATELY WITH COOL WATER. INHALAION- REMOVE PERSON
FROM EXPOSURE TO FUMES. INGES
TION- IF THOUGHT TO BE OVEREXPOSED,
THE P ERSON SHOULD HAVE A BLOOD LEAD ANALYSISDONE.

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Fire Fighting Measures
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Fire Fighting Procedures:USE NIOSH-APPROVED SELF-CONTAINED BREATHING
APPARATUS IN CASE OF TOXIC LEAD FUMES.
Unusual Fire/Explosion Hazard:FLUX IN CORED SOLDER MAY IGNITE WHEN THE
SOLDER MELTS IN A FIRE.

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Accidental Release Measures
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Spill Release Procedures:MELTED SOLDER WILL SOLIDIFY ON C
OOLING AND CAN
BE SCRAPED UP. USE CAUTION TO AVOID BREATHING FUMES IF A GAS TORCH
IS USED TO CUT UP LARGE PIECES.
Neutralizing Agent:NONE

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Handling and Storage
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Handling and Storage Precautions:STORE AWAY FROM SOURCES OF SULFUR.
WASH HANDS AFTER HANDLING SOLDER CONTAINING LEAD. AVOID BREATHING
FUMES DURING SOLDERING.
Other Precautions:NONE

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Exposure Controls/Personal Protection
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Respiratory Protection:US

UALLY NOT REQUIRED. WHEN VENTILATION IS NOT SUFFICIENT TO REMOVE FUMES FROM THE BREATHING ZONE, A CARTRIDGE TYPE RESPIRATOR SHOULD BE WORN.

Ventilation:PROVIDE ADEQUATE EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves:NONE NORMALLY REQUIRED.

Eye Protection:WHEN SOLDERING, USE GOGGLE.

Other Protective Equipment:USE FACE SHIELD IF NEEDED.

Work Hygienic Practices:WASH HANDS AFTER HANDLING THIS MATERIAL.

Supplemental Safety and Health
NONE

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

HCC:N1

Spec Gravity:>1

Solubility in Water:INSOLUBLE

Appearance and Odor:SILVER-GRAY METAL IN BAR, WIRE, RIBBON OR PREFORMED SHAPES.

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

Stability Indicator/Materials to Avoid:YES

STRONG ACID, STRONG OXIDIZERS.

Stability Condition to Avoid:NONE

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

Waste Disposal Methods:SOLDER CAN BE RECLAIMED.

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