

KESTER SOLDER DIV,LITTON SYSTEMS INC -- SN 63 -- 3439-01-233-7463

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Product Identification
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Product ID:SN 63

MSDS Date:12/12/1988

FSC:3439

NIIN:01-233-7463

MSDS Number: BPYLY

=== Responsible Party ===

Company Name:KESTER SOLDER DIV,LITTON SYSTEMS INC

Address:515 E TOUHY

City:DES PLAINES

State:IL

ZIP:60018-2675

Country:US

Info Phone Num:312-699-5594

Emergency Phone Num:312-699-5594

CAGE:7

5297

=== Contractor Identification ===

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

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Composition/Information on Ingredients
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Ingred Name:TIN

CAS:7440-31-5

RTECS #:XP7320000

Fraction by Wt: 63.00%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9293

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by W

t: 36.65%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.05 MG/M3;1910.1025
ACGIH TLV:0.15 MG/M3;DUST 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ANTIMONY (SARA III)
CAS:7440-36-0
RTECS #:CC4025000
Fraction by Wt: 0.35%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG SB/M3; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:TLV FOR LEAD IS 0.15 MG/M3.
Routes of Entry: Inhalation:YES
Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:UNKNOWN IARC:UNKNOWN OSHA:NO
Health Hazards Acute and Chronic:ACUTE- FLUX FUMES MAY CAUSE PULMONARY IRRITATION & LUNG DAMAGE. INHALATION OR INGESTION MAY CAUSE NAUSEA, HEADACHE, ABDOMINAL DISCOMFORT, JOINT & MUSCLE PAINS. CHRONIC-EFFECTS KIDNEYS, GASTROINTESTINAL & NERVOUS SYSTEMS.
Explanation of Carcinogenicity:THIS PRODUCT CONTAINS LEAD WHICH CAN CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. MAY BE CARCINOGENIC
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O HUMAN.
Effects of Overexposure:FLUX FUMES MAY CAUSE PULMONARY IRRITATION & LUNG DAMAGE. INHALATION OR INGESTION MAY CAUSE NAUSEA, HEADACHE, ABDOMINAL DISCOMFORT, JOINT & MUSCLE PAINS. LONG TERM OVER EXPOSURE EFFECTS KIDNEYS, GASTRO INTESTINAL & NERVOUS SYSTEMS.
Medical Cond Aggravated by Exposure:DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS, KIDNES, NERVOUS AND POSSIBLY REPRODUCTIVE SYSTEMS

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

First Aid:GET M

EDICAL 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: GET MEDICAL HELP IMMEDIATELY. BLOOD LEAD LEVEL, RENAL FUNCTION, GASTROINTESTINAL AND NEUROLOGICAL SYMPTOMS SHOULD BE EVALUATED.

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

Flash Point: NONE

Extinguishing Media: DRY SAND, DRY CHEMICAL. DO NOT USE WATER ON FIRE WHERE

MOLTEN METALS IS PRESENT.

Fire Fighting Procedures: WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard: SOLDER ALLOYS MAY EMIT TOXIC FUMES IN A FIRE. FLUX IN CORED SOLDER WIRE OR PASTE MAY BURN IF SOLDERING IS DONE WITH A FLAME.

===== 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. DO NOT USE FORCED AIR FOR CLEANING. WEAR NIOSH-APPROVED DUST MASK IF DUSTY CONDITION.

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

Handling and Storage Precautions: STORAGE- KEEP AWAY FROM STRONG OXIDIZERS.

Other Precautions: KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY. DO NOT TAKE INTERNALLY. WASH THOROUGHLY AFTER HANDLING. USE OF STRONG ACID FLUXES M

AY RESULT IN THE EMISSION OF TOXIC LEAD FUMES DURING SOLDERING.

===== 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

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ther Protective Equipment:INSTALL EYE WASH STATION.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND

RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:B.P. Text:3137F,1725C

Melt/Freeze Pt:M.P/F.P Text:450F,232C

Spec Gravity:>7

Solubility in Water:INSOLUBLE

Appearance and Odor:GRAY METALLIC BAR, WIRE, RIBBON, ETC. WITH NO ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:TOXIC METAL FUMES MAY BE FORMED.

===== 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. SELL TO A METALS RECLAIMER.

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