

KESTER SOLDER COMPANY DIV OF LITTON SYSTEMS INC -- SN63 -- 3439-00-153-4280

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

Product ID:SN63

MSDS Date:12/12/1988

FSC:3439

NIIN:00-153-4280

MSDS Number: BPXVT

=== 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:TIN

CAS:7440-31-5

RTECS #:XP7320000

Fraction b

y Wt: 63%
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 Wt: 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: 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

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

Ingred Name:CADMIUM (SARA III)
CAS:7440-43-9
RTECS #:EU9800000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1027
ACGIH TLV:0.01 MG/M3 DUST;9394
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:SILVER (SARA III)
CAS:7440-22-4
RTECS #:VW3500000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3; 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

===== Hazards Ide

ntification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION OF FUMES DURING USE
MAY CVAUSE RESPIRATORY TRACT AND THROAT IRRITATION. CONTACT OR
FUMES MAY CAUSE EYE IRRITATION. CONTACT WITH SKIN MAY CAUSE
ALLERGIC REACTION. CHRONIC: NONE SPECIF IED BY MANUFACTURER.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%
OR GREATER IS
LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:INHALED: COUGHING, SNEEZING, SORE THROAT,
DIZZINESS, HEADACHE. EYES: REDNESS, TEARING, BLURRED VISION. SKIN:
RASH, DISCOMFORT. INGESTED: NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES. SEE DOCTOR.
SKIN: WASH WITH SOAP AND WATER. INHALE
D: MOVE TO FRESH AIR.
INGESTED: NONE SPECIFIED BY MANUFACTURER.

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

Flash Point Method:COC
Flash Point:420F,216C
Extinguishing Media:WATER, CARBON DIOXIDE, ALCOHOL FOAM, DRY CHEMICAL
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER. WEAR
SELF-CONTAINED BREATHING APPARATUS AND BUNKER GEAR.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER. HMIS: SWEEP UP
ANY SPILLED MATERIAL AND EITHER PLACE IN A CONTAINER FOR LATER
DISPOSAL OR RECYCLE.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT PLACE FLUX CORED SOLDER WIRE IN
A HOT SOLDER POT. THE FLUX MAY IGNITE.
Other Precautions:AVOID EYE CONTACT WITH HOT FLUX. AVOID BREATHING
SMOKE DURING SOLDERING.

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

Respiratory Protection:NONE NORMALLY REQUIRED.

Ventilation:USE LOCAL EXHAUST OR ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:NONE NORMALLY REQUIRED.

Eye Protection:SAFETY GLASSES

Other Protective Equipment:NONE

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,
DRINKING, OR SMOKING.

Supplemental Safety and Health

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

HCC:N1

Spec Gravity:1.

08

Solubility in Water:NEGLIGIBLE

Appearance and Odor:SOILD AMBER CORE INSIDE SOLDER WIRE

Percent Volatiles by Volume:4.5

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:CONTACT WITH STRONG OXIDIZING AGENTS

Hazardous Decomposition Products:SMALL AMOUNT OF TURPINTINE, HYDROGEN
CHLORIDE,

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

Waste Disposal Method

s:NONE SPECIFIED BY MANUFACTURER. HMIS: DISPOSE OF
IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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.