

KESTER SOLDER COMPANY DIV OF LITTON SYSTEMS INC -- #44 RESIN CORE SOLDER --  
3439-00-095-3672

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

Product ID:#44 RESIN CORE SOLDER

MSDS Date:12/12/1988

FSC:3439

NIIN:00-095-3672

MSDS Number: BPXTT

=== 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:ROSIN ACID

C

AS:8050-09-7  
Fraction by Wt: 3%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:THE FOLLOWING INGREDIENTS ARE FROM THE TIR; MANUFACTURER  
DID NOT LIST; HMIS TECH FELT BEST TO LIST.  
RTECS #:9999999ZZ  
Other REC Limits:NONE RECOMMENDED

Ingred Name:TIN  
CAS:7440-31-5  
RTECS #:XP7320000  
Fraction by Wt: 61.5%  
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: 37.53%  
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: 0.5%  
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  
Fraction by Wt: 0.25%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:COPPER (SARA III)  
CAS:7440-50-8  
RTECS #:GL5325000  
Fraction by Wt: 0.08%

Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1MG/M3 FUME/1 DUST  
ACGIH TLV:0.2MG/M3 FUME; 9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

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 WI  
TH 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. INHALED: 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-CON  
TAINED 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 Methods: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,  
expr

essly 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.