

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 Nu

m: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

CAS: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

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===== 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 W  
ITH 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.

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===== 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.

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===== 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-CO  
NTAINED BREATHING APPARATUS AND BUNKER GEAR.  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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===== 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.

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

Handling and Storage Precautions:DO NO

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.

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Exposure Controls/Personal Protection  
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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

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Physical/Chemical Properties  
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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

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS  
Stability Condition to Avoid:CONTACT WITH STRONG OXIDIZING AGENTS  
Ha  
azardous Decomposition Products:SMALL AMOUNT OF TURPINTINE, HYDROGEN  
CHLORIDE,

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Disposal Considerations  
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Waste Disposal Methods:NONE SPECIFIED BY MANUFACTURER. HMIS: DISPOSE OF  
IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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