

KESTER SOLDER COMPANY DIV OF LITTON SYSTEMS INC -- #44 RESIN CORE SOLDER --  
3439-00-269-9610

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

Product ID:#44 RESIN CORE SOLDER

MSDS Date:12/12/1988

FSC:3439

NIIN:00-269-9610

MSDS Number: BPXWW

=== 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:312-699-5594

Emergency Phone Num:800-424-9300

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: 95%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:FLUX  
Fraction by Wt: 3%  
Other REC Limits:NONE RECOMMENDED

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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:SMOKE DURING SOLDERING CAN IRRITATE  
EYES AND RESPIRATORY TRACT. ROSIN IS AN ALLERGEN-MAY CAUSE RASH,  
HEADACHE OR THROAT IRRITATION IN A SENSITIVE PERSON. FLUX FUMES MAY  
CAUSE PULMONARY IRRITATION AND LUNG DAMAGE.  
Explanation of Carcinogenicity:MANUFACTURER STATES THAT NONE OF THE  
INGREDIENTS IS LISTED AS CARCINOGENIC BY IARC, NTP OR OSHA.  
Effects of Overexposure:SEE HEALTH HAZARDS  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE CONTACT: FLUSH THOROUGHLY WITH WATER AND GET MEDICAL  
ATTENTION. SKIN CONTACT: WASH WITH SOAP  
AND WATER. INHALATION:  
REMOVE TO FRESH AIR.

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

Flash Point Method:COC  
Flash Point:420F,216C  
Extinguishing Media:CARBON DIOXIDE, ALCOHOL FOAM, OR DRY CHEMICAL.  
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.  
Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN IGNITE  
COMBUSTIBLES.

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

Spill Release Procedures:MANUFACTURER STATES NOT APPLICABLE

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Other Precautions:ROSIN MAY DECOMPOSE DURING HEATING TO LIBERATE ABOUT 5 % TURPENTINE (TLV=100 PPM). SOME ROSIN IS CARRIED UP IN SMOKE. NO LEAD FUMES ARE LIBERATED AT SOLDERING TEMPERATURES BELOW 1000F.

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Exposure Controls/Personal Protection  
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Respiratory Protection:USUALLY NOT REQUIRED.

Ventilation:USE ENOUGH VENTILATION TO REMOVE THE SMOKE FROM BREATHING AREA.

Protective Gloves:NONE REQUIRED

Eye Protection:SAFETY GLASSES

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH HANDS BEFORE EATING OR SMOKING AFTER HANDLING SOLDER WIRE.

Supplemental Safety and Health

NONE

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Physical/Chemical Properties  
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HCC:N1

Spec Gravity:1.08

Solubility in Water:NEGLIGIBLE

Appearance and Odor:SOLID 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 OXIDIZERS

Stability Condition to Avoid:NONE DESCRIBED BY THE MANUFACTURER.

Hazardous Decomposition Products:SMALL AMOUNT OF TERPENTINE. MAY EMIT HYDROGEN CHLORIDE FUMES (