

KESTER SOLDER DIV,LITTON SYSTEMS INC -- 1544 ROSIN FLUX -- 3439-00-752-8728

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

Product ID:1544 ROSIN FLUX

MSDS Date:05/18/1993

FSC:3439

NIIN:00-752-8728

MSDS Number: BYGYP

=== 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:708-297-1600

Emergency Phone Num

:800-424-9300 CHEMTREC

Preparer's Name:D. BERNIER

CAGE:75297

=== Contractor Identification ===

Company Name:GENERAL TOOL & SUPPLY CO.

Address:5614 7TH AVENUE SOUTH

Box:80904

City:SEATTLE

State:WA

ZIP:98108-3317

Country:US

Phone:206-762-1500

CAGE:3Z323

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 N

ame:ETHYL ALCOHOL (ETHANOL)  
CAS:64-17-5  
RTECS #:KQ6300000  
Fraction by Wt: 25%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9495

Ingred Name:2-BUTANOL OR SEC-BUTYL ALCOHOL (SARA 313)  
CAS:78-92-2  
RTECS #:EO1750000  
Fraction by Wt: 25%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:150 PPM  
ACGIH TLV:100 PPM; 9495

Ingred Name:MODIFIED RESIN (ROSIN ACID)  
CAS:8050-09-7  
Fraction by Wt: 50%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:VOLATILE ORGANIC CONTENT: 460 G/L  
RTECS #:9  
999999VO  
Other REC Limits:NONE RECOMMENDED

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

Flash Point Method:TOC  
Flash Point:=18.3C, 65.F  
Autoignition Temp:=382.2C, 720.F  
Lower Limits:2.5  
Upper Limits:15.0  
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND  
FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER.  
Unusual Fire/Explosion Hazard:A MODERATE EXPLOSION HAZARD EXISTS WHEN  
EXPOSED TO HEAT OR FLAMES.

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

Supplemental Safety and Health

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

HCC:F2  
Boiling Pt:=76.7C, 170.F  
Vapor Pres:40  
Vapor Density:1.8  
Spec Gravity:0.926  
Evaporation Rate & Reference:1.9 (N-BUTYL ACETATE=1)  
Solubility in Water:APPRECIABLE  
Appearance and Odor:AMBER, STICKY LIQUID; ALCOHOL ODOR.  
Percent Volatiles by Volume:57

===== Stability and Reactivity D

ata =====

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

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