

KESTER SOLDER DIV,LITTON SYSTEMS INC -- 115 ROSIN FLUX -- 3439-00-009-8808

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Product Identification
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Product ID:115 ROSIN FLUX

MSDS Date:05/18/1993

FSC:3439

NIIN:00-009-8808

Kit Part:Y

MSDS Number: CCSRT

=== 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:708-297-1600

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

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Composition/Information on Ingredients
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Ingred N

ame:TURPENTINE
CAS:9005-90-7
Fraction by Wt: 50%
Other REC Limits:NONE RECOMMENDED

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

Ingred Name:VOLATILE ORGANIC CONTENT
RTECS #:9999999VO
Fraction by Wt: 478% G/L
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 3.7 G/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO
IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION-FUMES DURING SOLDERING MAY IRRITATE MUCOUS MEMBRANES AND RESPIRATORY SYSTEM. HIGH CONCENTRATIONS CAN CAUSE HEADACHE, DIZZINESS, NARCOSIS AND NAUSEA. SKIN-LOCAL IRRITATION. EYE- IRRITATION F ROM CONTACT WITH LIQUID AND SMOKE FROM SOLDERING. INGESTION- BURNING SENSATION IN THE DIGESTIVE TRACT.

Explanation of Carcinogenicity:NOT LISTED.

Effects of Overexposure:PROLONGED OR REPEATED SKIN CONTACT CAN RESULT IN A RASH.

BREATHING VAPORS CAN RESULT IN HEADACHE, DIZZINESS, NARCOSIS AND IRRITATION OF MUCOUS MEMBRANES. SMOKE DURING SOLDERING WILL CONTAIN ROSIN WHIC H IS AN ALLERGEN AND CAN CAUSE RESPIRATORY IRRITATION AND DAMAGE.

Medical Cond Aggravated by Exposure:CHEMICAL HYPERSENSITIVITY, ASTHMA AND OTHER RESPIRATORY CONDITIONS. CONTINUED BREATHING OF HIGH CONCENTRATIONS OF ALCOHOL VAPORS CAN AFFECT THE LIVER AND CENTRAL NERVOUS SYSTEM.

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

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First Aid:EYE-FLUSH EYE WITH PLENTY OF WATER AND GET MEDICAL ATTENTION.
REMOVE ROSIN FROM AROUND EYES WITH A DILUTE ETHANOL SOLUTION.
SKIN-WASH THOROUGHLY WITH SOAP AND WATER. INHALATION-REMOVE VICTIM
TO FRESH AIR. INGESTION-INDUCE VOMITING AND GET PROMPT MEDICAL
ATTENTION.

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

Flash Point Method:TOC
Flash Point:=33.9C, 93.F
Autoignition Temp:Autoignition Temp Text:720F
Lower Limits:0.8
Upper
Limits:6.1
Extinguishing Media:CARBON DIOXIDE, ALCOHOL FOAM OR DRY CHEMICAL.
Fire Fighting Procedures:USE WATER SPRAY TO COOL FIRE EXPOSED
CONTAINERS AND CONTROL VAPORS.
Unusual Fire/Explosion Hazard:A MODERATE EXPLOSION HAZARD EXISTS WHEN
EXPOSED TO HEAT OR FLAMES.

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

Spill Release Procedures:PROVIDE ADEQUATE VENTILATION. ABSORBENTS, SUCH
AS VERMICULITE, CAN BE USED TO SOAK UP THE SPILLED LIQUID. CLEAN UP
RESIDUA
L WITH ALKALINE DETERGENT.

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

Handling and Storage Precautions:STORE AWAY FROM SOURCES OF IGNITION.
STOARE AT TEMPERATURES BELOW 40F MAY RESULT IN PRECIPITATION OF
SOME ROSIN. OPEN CONTAINER CAUTIOUSLY TO VENT.
Other Precautions:AVOID EYE AND SKIN CONTACT. AVOID BREATHING VAPORS.

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

Respiratory Protection:USUALLY NOT REQUIRED. WHEN VENTILATION IS NOT
A

DEQUATE TO REMOVE SMOKE FROM BREATHING ZONE, A CARTRIDGE TYPE RESPIRATOR SHOULD BE WORN.

Ventilation:PROVIDE ADEUATE EXHAUST VENTILATION (GENERAL &/OR LOCAL) TO MEET TLV REQUIREMENTS.

Protective Gloves:PLASTIC OR RUBBER GLOVES.

Eye Protection:SAFETY GLASSES OR GOGGLES.

Other Protective Equipment:IMPERMEABLE APRON WHEN SPLASHING IS LIKELY TO OCCUR.

Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING OR SMOKING.

Supplemental Safety and Health
FLAMMABLE LIQUID.

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== Physical/Chemical Properties =====

HCC:F3

Boiling Pt:=160.C, 320.F

Vapor Pres:1.3

Vapor Density:4.84

Spec Gravity:0.958

pH:NA

Evaporation Rate & Reference:0.6 (N-BUTYL ACETATE=1)

Solubility in Water:0%

Appearance and Odor:DARK AMBER LIQUID WITH PINE ODOR.

Percent Volatiles by Volume:55

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING MATERIALS.

Stability Condition to Avoid:NONE SPECIFIED BY MA
NUFACTURER.

Hazardous Decomposition Products:THE SOLVENTS ARE EVAPORATED & ROSIN
MAY BE THERMALLY DEGRADED TO LIBERATE ALDEHYDES, ACIDS & TERPENES.
CARBON MONOXIDE

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

Waste Disposal Methods:ACCORDING TO LOCAL REGULATIONS, USUALLY BY
INCINERATION. EPA HAZARDOUS WASTE NUMBER IS D001. HAZARD CLASS IS
IGNITABLE WASTE. CAUTION: EMPTY CONTAINERS MAY CONTAIN PRODUCT
RESIDUE. OBSERVE ALL LABEL P RECAUTIONS.

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