

KESTER SOLDER COMPANY DIV OF LITTON SYSTEMS INC -- SP-30 SOLDERING PASTE FLUX --  
3439-00-255-4571

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

Product ID:SP-30 SOLDERING PASTE FLUX

MSDS Date:06/01/1992

FSC:3439

NIIN:00-255-4571

MSDS Number: BPNXW

=== 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

Inf

o Phone Num:708-297-1600

Emergency Phone Num:800-424-9300

Preparer's Name:D. BERNIER

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

Company Name:VINSON INDUSTRIAL PRODUCTS INC

Address:2909

LANGFORD RD SUITE B500  
Box:City:NORCROSS  
State:GA  
ZIP:30071-2201  
Country:US  
CAGE:9T424

=====  
Composition/Information on Ingredients  
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Ingred Name:GREASE, PETROLEUM  
CAS:8009-03-8  
Fraction by Wt: 65%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ZINC CHLORIDE (SARA III)  
CAS:7646-85-7  
RTECS #:ZH1400000  
Fraction by Wt: 24%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3/2 STEL  
ACGIH TLV:1 MG/M3/2STEL FUME93  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: EYE CONTACT: IRRITATION OR  
BURNS. SKIN CONTACT: IRRITATION OR BURNS. INHALATION: SMOKE DURING  
SOLDERING CAN CAUSE IRRITATION OR DAMAGE OF MUCOUS MEMBRANES.  
CHRONIC: PROLONGED OR REPEATED SKIN C ONTACT CAN RESULT IN BURNS.  
Explanation of Ca  
rcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS  
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:SEE HEALTH HAZARDS  
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF SKIN AND  
RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

=====  
First Aid Measures  
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First Aid:INHALATION: REMOVE SUBJECT TO FRESH AIR. EYE: FLUSH WITH  
PLENTY OF WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.  
SKIN:

WASH WITH SOAP AND WATER. INGESTION: DO NOT INDUCE VOMITING.  
DRINK 2-3 GLASSES OF WATER OR MILK. GET IMMEDIATE MEDICAL  
ATTENTION.

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

Flash Point Method:TOC

Flash Point:430F,221C

Extinguishing Media:CARBON DIOXIDE, ALCOHOL FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:SCOOP UP PASTE AND DEPOSIT IN APPROPRIATE  
CONTAINERS. CLEAN UP RESIDUAL WITH DETERGENT WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID EYE AND SKIN CONTACT. AVOID  
BREATHING VAPORS DURING SOLDERING. OPEN CONTAINERS CAUTIOUSLY TO  
ALLOW VENTING OF ANY INTERNAL PRESSURE.

Other Precautions:KEEP CONTAINER CLOSED WHEN NOT IN USE. SOLDERING  
FUMES CANNOT BE CLASSIFIED SIMPLY. THE COMPOSITION AND QUANTITY ARE  
DEPENDENT UPON THE METAL BEING SOLDERED, THE PROCESS, PROCEDURES,  
AND TYPES OF SOLDERS USED.

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

Respiratory Protection:NOT USUALLY REQUIRED. WHEN VENTILATION IS NOT  
ADEQUATE TO REMOVE SMOKE FROM THE BREATHING ZONE, A CARTRIDGE TYPE  
RESPIRATOR SHOULD BE WORN.

Ventilation:PROVIDE

ADEQUATE EXHAUST VENTILATION (GENERAL AND/OR LOCAL)  
TO MEET TLV REQUIREMENTS.

Protective Gloves:PLASTIC OR RUBBER GLOVES WHEN NECESSARY

Eye Protection:GOGGLES OR SHIELD WITH FILTER LENS

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE  
EATING.

Supplemental Safety and Health

WEAR HEAD AND BODY PROTECTION WHICH HELP TO PREVENT INJURY FROM  
SPLASHING, SPARKS, OR FLAME. AT A MINIMUM THIS INCLUDES GLOVES AND  
A

PROTECTIVE FACE SHIELD, AND MAY INCLUDE ARM PROTECTORS, APRONS, HAT S, SHOULDER PROTECTION, ETC. CAUTION: EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE. OBSERVE ALL LABEL PRECAUTIONS.

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:120F,49C

Spec Gravity:1.05 (WATER=1)

Solubility in Water:APPRECIABLE

Appearance and Odor:LIGHT AMBER COLORED PASTE WITH LITTLE OR NO ODOR.

Percent Volatiles by Volume:8

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:HYDROGEN CHLORIDE, CARBON DIOXIDE,  
CARBON MONOXIDE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE  
FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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