

KESTER SOLDER DIV,LITTON SYSTEMS INC -- #44 RESIN CORE SOLDER -- 3439-01-039-0064

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

Product ID:#44 RESIN CORE SOLDER

MSDS Date:12/12/1988

FSC:3439

NIIN:01-039-0064

MSDS Number: BQCVF

=== 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

Emergenc

y Phone Num:708-297-1600

CAGE:75297

=== Contractor Identification ===

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%

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

Ingred Name:ARSENIC (SARA III)
CAS:7440-38-2
RTECS #:CG0525000
Fraction by Wt: 0.03%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 MG/M3 (AS)
ACGIH TLV:0.01, A1 MG/M3; 9394
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:IRON
CAS:6

596-57-0
Fraction by Wt: 0.02%
Other REC Limits:NONE RECOMMENDED

Ingred Name:ALUMINUM (SARA III)
CAS:7429-90-5
RTECS #:BD0330000
Fraction by Wt: 0.005%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15MG/M3 DUST/5 FUME
ACGIH TLV:10MG/M3 DUST; 9293

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 0.005%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:OTHER COMPONENTS
Fraction by
Wt: 0.08%
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SMOKE DURING SOLDIERING 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. LEAD FUME WI
LL
NOT OCCUR IN SUFFICIENT QUANTITY TO BE DANGEROUS AT NORMAL
SOLDERING TEMPERATURES.
Explanation of Carcinogenicity:THE PRODUCT CONTAINS NO INGREDIENT THAT
IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.
Effects of Overexposure:INHALATION: IRRITATION OF THE RESPIRATORY
TRACT, HEADACHE, THROAT IRRITATION, PULMONARY IRRITATION, & LUNG
DAMAGE. SKIN: RASH. EYES:IRRITATION.
Medical Cond Aggravated by Exposure:SUPPLIER DID NOT ADDRESS THIS
FIELD.

===== Fire

Fighting Measures =====

Flash Point:420F,216C

Extinguishing Media:CARBON DIOXIDE, ALCOHOL FOAM, DRY CHEMICAL

Fire Fighting Procedures:SUPPLIER SAID "NONE". HMIS:FIRE FIGHTERS

SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN
FIGHTING CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:MFR SAID "N/A". HMIS:ALLOW METAL TO COOL AND
SWEEP UP.

Neutralizing Agent:SUP

PLIER DID NOT ADDRESS THIS FIELD.

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

Handling and Storage Precautions:AVOID EYE CONTACT WITH HOT FLUX. AVOID
BREATHING SMOKE DURING SOLDERING. WASH HANDS BEFORE EATING OR
SMOKING AFTER HANDLING SOLDER WIRE.

Other Precautions:DON'T PLACE FLUX CORED SOLDER WIRE INTO A HOT SOLDER
POT. THE FLUX MAY IGNITE.

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

Respiratory Protection:USUALLY NOT REQUIRED

Ven

tilation:LOCAL EXHAUST: REMOVE SMOKE. GENERAL MECHANICAL
VENTILATION RECOMMENDED.

Protective Gloves:NONE REQUIRED

Eye Protection:SAFETY GLASSES

Other Protective Equipment:NONE

Work Hygienic Practices:MFR: ? HMIS:USE GOOD INDUSTRIAL HYGIENE

PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING
OR DRINKING.

Supplemental Safety and Health

MSDS RECEIVED FROM NAVY (FOCAL POINT N). CAGE CODE AND NSN IDENTIFIED
BY THEM. THE FORMULA FOR THE SOLDER WAS TAKEN FROM THE CTDF.

SUPPLIER LISTED ONLY ROSIN UNDER HAZARDOUS INGREDIENTS AND AT 95%.

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

HCC:N1

NRC/State Lic Num:NONE

Solubility in Water:INSOLUBLE

Appearance and Odor:SOLID AMBER CORE INSIDE SOLDER WIRE * SOFTENING
POINT (DROP METHOD 149F/65C

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Stability Condition to Avoid:SUPPLIER LEFT THIS FIELD BLANK.

Hazar

dous Decomposition Products:SMALL AMOUNTS OF TURPENTINE. MAY EMIT
HYDROGEN CHLORIDE FUMES (