

"44" ROSIN FLUX CORED SOLDER

MSDS Number

CGXCL

National Stock Number

3439-00-937-7062

Product Name

"44" ROSIN FLUX CORED SOLDER

Manufacturer

KESTER SOLDER DIV LITTON SYSTEMS INC

Product Identification

Product ID:"44" ROSIN FLUX CORED SOLDER

MSDS Date:10/15/1996

FSC:3439

NIIN:00-937-7062

MSDS Number: CGXCL

Responsible Party

KESTER SOLDER DIV,LITTON SYSTEMS INC

515 E TOUHY

DES PLAINES , IL 60018-2675

US

Emergency Phone: 847-297-1600/800-424-9300(CHEMTREC)

Info Phone: 847-297-1600

Preparer: D. BEMIER

Cage: 75297

Contractor

KESTER SOLDER DIVISION OF LITTON SYSTEMS, INC.

DES PLAINES, IL 60018

US

847-297-1600

Cage: 75297

Ingredients

LEAD (SARA 313) (CERCLA)

CAS: 7439-92-1

RTECS: OF7525000

Fraction By Weight: SEE #8%

OSHA PELSEE 1910.1025

ACGIH TLV: 0.05MG/M3, A3; 9596

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

TIN

CAS: 7440-31-5

RTECS: XP7320000

Fraction By Weight: SEE #8%

OSHA PEL2 MG/M3

ACGIH TLV: 2 MG/M3; 9596

SILVER (SARA 313) (CERCLA)

CAS: 7440-22-4

RTECS: VW3500000

Fraction By Weight: SEE #8%

OSHA PEL0.01 MG/M3

ACGIH TLV: 0.1 MG/M3; 9596

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

BISMUTH

CAS: 7440-69-9

RTECS: EB2600000

Fraction By Weight: SEE #8%

ANTIMONY (SARA 313) (CERCLA)

CAS: 7440-36-0

RTECS: CC4025000

Fraction By Weight: SEE #8%

OSHA PEL0.5 MG/M3

ACGIH TLV: 0.5 MG (SB)/M3; 9596

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

ROSIN ACID

CAS: 8050-09-7

Fraction By Weight:

FLUX IN CORE

Fraction By Weight: 1-3%

COMPOSITION AND WEIGHT PERCENT OF SOLDER ALLOYS VARIES

Fraction By Weight: NA

Hazards

LD50 LC50 Mixture:EXPOSURE LIMITS:NOT DETERMINED FOR PROD

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:PRIMARY EXPOSURE DURING SOLDERING IS

TO EVAPORATED SOLVENT WHICH MAY CONTAIN DROPLETS OF ROSIN &/OR

OTHER ORGANIC DECOMPOSITION PRODUCTS.ACUTE:INHAL:FLUX FUMES DURING

SOLDERING MAY CAUSE IRRIT,DMG OF MUC MEMB,RESP SYS.SKIN:POSSIBLE

LOC IRRI BY CONTACT W/FLUX OR FUMES.SKIN ABSORPT:NONE.EYE:IRRIT

FROM CONTACT (SIGN/SYMP)

Explanation of Carcinogenicity:PER MSDS: CARCINOGENICITY:IRAC-LEAD. CA PROP 65.
Effects of Overexposure:HEALTH:W/SMOKE FRM SOLDERING.INGEST:NOT LIKELY TO OCCUR.CHRONIC:BREATH FUMES DURING SOLDER MAY CAUSE RESP SYS IRRIT,HEAD,IRRIT OF MUC MEMB.SMOKE DURING SOLDERING WILL CONTAIN ROSIN WHICH IS ALLERGEN,C AN CAUSE RESP SYS IRRIT,DMG.REP INGEST OF LEAD CAN RESULT IN SYSTEMIC POISONING.
Medical Cond Aggravated by Exposure:FLUX:PRE-EXIST CONDITIONS OF LUNGS.LEAD:DISEASE OF BLOOD,BLOODFORM ORG,KID,NERVES,REPROD.TARORG:FLUX FUME:EYES,SKIN,MUC MEMB,RSP SYS.INGEST OF PB METAL CAN AFFECT KIDS,GI/REPRODUCTIVE/NEUROLOGICAL SYS

First Aid

First Aid:SEEK MED ASSIST FOR FURTHER TREAT,OBSERV,SUPPORT IF NEEDED.EYE:BURNS FLUSH IMMED W/COOL H2O.FOR FUME IRRIT USE EYE DROPS.REMOVE FROM EXPO.SKIN:BURNS FLUSH IMMED W/COOL H2O.RASH DVLPS FRM FLUX FUMES,RE MOVE FRM EXPO.WASH SKIN W/SOAP/H2O.INHAL:REMOVE FRM EXPO TO FUMES.INGEST:NA.

Fire Fighting

Flash Point Method:TOC
Flash Point:NA
Autoignition Temp:Autoignition Temp Text:NA
Lower Limits:NA
Upper Limits:NA
Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS IF THIS MATERIAL IS IN VICINITY OF FIRE.
Unusual Fire/Explosion Hazard:FLUX IN CORED SOLDER MAY IGNITE WHEN SOLDER MELTS IN FIRE.

Accidental Release

Spill Release Procedures:MELTED SOLDER WILL SOLIDIFY ON COOLING AND CAN BE SCRAPED UP.USE CAUTION TO AVOID BREATHING FUMES IF GAS TORCH IS USED TO CUT UP LARGE PIECES.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:STORE AWAY FROM SOURCES OF SULFUR.WSH HANDS AFT HNDLG SOLDER CONTAINING LEAD BEF EAT/SMOKE.AVOID BREATH SMOKE/FUEMS GENERATED DURING SOLDERING.
Other Precautions:DONT PLACE FLUX CORED SOLDER INTO HOT SOLDER POT BECAUSE THE FLUX MAY IGNITE.

Exposure Controls

Respiratory Protection:WHEN VENTILATION IS NOT SUFFICIENT TO REMOVE FUMES FROM BREATHING ZONE,NIOSH APPROVED RESPIRATOR SHOULD BE WORN.
Ventilation:PROVIDE ADEQ EXHAU VENTI(GEN &/OR LOC)IF NECESSARY TO MEET EXPO REQMTS.LOC EXHAU VENTI PREFER TO MIN DISPERSERSE OF SMOKE OR FUMES INTO WORK AREA.
Protective Gloves:USUALLY NOT REQUIRED.
Eye Protection:GOGG OR FACE SHIELD WHEN SOLDERING.
Other Protective Equipment:NONE
Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER HNDLG SOLDER CONTAINING LEAD AND BEFORE EATING/SMOKING.
Supplemental Safety and Health
DECOMPOSITION PRODUCTS: ALIPHATIC ALDEHYDES, ACIDS, TERPENES. NO LEAD IS DETECTED IN FUMES FROM SOLDERING BELOW 1000F(537C).

Chemical Properties

HCC:N1
Boiling Pt:B.P. Text:NA
Melt/Freeze Pt:M.P/F.P Text:NA
Decomp Temp:Decomp Text:NP
Vapor Pres:NA
Vapor Density:NA

Spec Gravity:>1
pH:NA
Viscosity:NP
Evaporation Rate & Reference:NA
Solubility in Water:NP
Appearance and Odor:SOLID,SILVER-GRAY METAL IN WIRE,RIBBON,PREFORMED SHAPES W/CORE OF FLUX,NO ODOR.
Percent Volatiles by Volume:NA
Corrosion Rate:NP

Stability

Stability Indicator/Materials to Avoid:YES
STRONG ACID,STRONG OXIDIZERS.
Stability Condition to Avoid:NONE
Hazardous Decomposition Products:MELTED SOLDER MAY LIBERATE CARBON MONOXIDE,CARBON DIOXIDE,LEAD OXIDE FUMES.WHEN HEAT TO SOLDER TEMPS SOLVE IN FLUX WIL BOIL AWAY & CARRY UP DROPLETS OF ROSIN & THERM DEGRADATION PRODS SUCH AS (SUPP)

Disposal

Waste Disposal Methods:CHEMS SUBJ TO REPORTING REQMTS OF SEC 313 TITLE III SARA/40CFR32.SOLDER CAN BE RECLAIMED.CAUTION:EMPTY CNTNRS MAY CONTAIN PRODUCT RESIDUE.OBSERVE ALL LABEL PRECAUTIONS.

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