

"44" FLUX CORED SOLDER

MSDS Number

BVMCJ

National Stock Number

3439-00N052361

Product Name

"44" FLUX CORED SOLDER

Manufacturer

KESTER SOLDER

Product Identification

Product ID:"44" FLUX CORED SOLDER

MSDS Date:06/01/1992

FSC:3439

NIIN:00N052361

MSDS Number: BVMCJ

Responsible Party

KESTER SOLDER

515 E. TOUHY AVE

DES PLAINES , IL 60018

US

Emergency Phone: 800-424-9300 (CHEMTREC)

Info Phone: 708-297-1600

Preparer: D. BERNIER

Cage: GO345

Contractor

KESTER SOLDER DIVISION OF LITTON SYSTEMS, INC.

DES PLAINES, IL 60018

US

847-297-1600

Cage: 75297

Ingredients

LEAD (SARA III)

CAS: 7439-92-1

RTECS: OF7525000

Fraction By Weight: ING 7%

OSHA PELSEE 1910.1025

ACGIH TLV: 0.15 MG/M3,DUST

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

TIN

CAS: 7440-31-5

RTECS: XP7320000

Fraction By Weight: ING 7%

OSHA PEL2 MG/M3

ACGIH TLV: 2 MG/M3

SILVER (SARA III)

CAS: 7440-22-4

RTECS: VW3500000

Fraction By Weight: ING 7%

OSHA PEL0.01 MG/M3

ACGIH TLV: 0.1 MG/M3

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

BISMUTH

CAS: 7440-69-9

RTECS: EB2600000

Fraction By Weight: ING 7%

OSHA PELN/K

ACGIH TLV: N/K

ANTIMONY (SARA III)

CAS: 7440-36-0

RTECS: CC4025000

Fraction By Weight: ING 7%

OSHA PEL0.5 MG/M3

ACGIH TLV: 0.5 MG (SB)/M3

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

ROSIN ACID; (ROSIN)

CAS: 8050-09-7

Fraction By Weight:

OSHA PELN/K

ACGIH TLV: N/K

COMPOSITION & WT OF ALLOY INGS VARIES WIDELY & CAN BE

RTECS: 9999999ZZ

OSHA PELN/K

ACGIH TLV: N/K

1-3% BY WEIGHT.

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:PRIMARY EXPOS DURING SOLDERING IS TO
EVAP SOLV WHICH MAY CONTAIN DROPLETS OF ROSIN &/OR OTHER ORG DECOMP
PROD. INGEST OF LEAD METAL CAN AFFECT KIDNEYS, GI, REPROD & NEURO
SYS. ACUTE:INHAL:FLUX FUMES D URING SOLDERING MAY CAUSE IRRIT & DMG
OF MUC MEMB & PULM SYS. SKIN:POSS LOC IRRIT BY CONT W/FLUX OR (EFTS
OF OVEREXP)
Explanation of Carcinogenicity:NOT RELEVANT.
Effects of Overexposure:HLTH HAZ:FUMES. EYE: IRRIT FROM CONT W/SMOKE
FROM SOLDERING. CHRONIC:BRTHG FUMES DURING SOLDERING MAY CAUSE PULM
IRRIT, HDCH & IRRIT OF MUC MEMB. RPTD INGEST OF LEAD CAN RSLT IN
SYSTEMIC POISONING. NO TE:LEAD APPEARS ON NAVY LISTING OF OCCUP
CHEM REPROD HAZ. SEEK CONSULTATION FROM APPROP HLTH PROFESSIONALS
(SUPDAT)
Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS OF THE
LUNGS, DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS, KIDNEYS,
NERVES & POSSIBLY REPRODUCTIVE SYSTEM.

First Aid

First Aid:INGEST:CALL MD IMMEDIATELY . EYE:FOR BURNS FLUSH IMMED W/COOL
WATER FOR AT LEAST 15 MINS. FOR FUME IRRIT USE EYE DROPS & REMOVE
FROM EXPOS. SKIN:FOR BURNS FLUSH IMMED W/COOL WATER. IF A RASH DEV
ELOPS FROM FLUX FUMES, REMOVE PERSON FROM EXPOSURE & WASH SKIN
W/SOAP & WATER. INHAL:REMOVE PERSON FROM EXPOSURE TO FUMES.

Fire Fighting

Flash Point Method:TOC
Extinguishing Media:MEDIA SUITABLE FOR SURROUNDING FIRE .
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA IN CASE OF TOXIC
LEAD FUMES.
Unusual Fire/Explosion Hazard:WHEN SOLDER MELTS, THE FLUX MAY IGNITE.

Accidental Release

Spill Release Procedures:MELTED SOLDER WILL SOLIDIFY ON COOLING & CAN
BE SCRAPED UP. USE CAUTION TO AVOID BREATHING FUMES IF A 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.
AVOID BRTHG FUMES DURING SOLDERING. DO NOT PLACE FLUX CORED SOLDER
INTO HOT SOLDER POT BECAUSE THE FLUX MAY IGNITE.
Other Precautions:CAUTION:EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE.
OBSERVE ALL PRECAUTIONS.

Exposure Controls

Respiratory Protection:USUALLY NOT REQD. WHEN VENT IS NOT SUFFICIENT TO
REMOVE FUMES FROM THE BRTHG ZONE, NIOSH/MSHA APPROVED CARTRIDGE
TYPE RESPIRATOR SHOULD BE WORN.
Ventilation:PROVIDE ADEQ EXHAUST VENT (GENERAL AND/OR LOCAL) TO MEET
TLV REQUIREMENTS.
Protective Gloves:NOT USUALLY REQD.
Eye Protection:WHEN SOLDERING, USE GOGG/FACE SHIELD.
Other Protective Equipment:NONE.
Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER HANDLING SOLDER
CONTAINING LEAD BEFORE EATING OR SMOKING.
Supplemental Safety and Health
HAZ DECOMP PROD:PRODUCTS SUCH AS ALIPHATIC ALDEHYDES, ACIDS & TERPENES.
NO LEAD IS DETECTED IN FUMES FROM SOLDERING BELOW 1000F (537C).
EFTS OF OVEREXP:CONCERNING LATEST HAZ LIST INFO & SAFE HNDLG & E
XPOS INFO .

Chemical Properties

Spec Gravity:>1(WATER-1@24C)

Solubility in Water:0

Appearance and Odor:SILVER-GRAY METAL IN WIRE, RIBBON OR PREFORMED SHAPES WITH A CORE OF FLUX

Stability

Stability Indicator/Materials to Avoid:YES

STRONG ACID, STRONG OXIDIZERS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:WHEN HEATED TO SOLDERING TEMP, SOLV IN FLUX WILL BOIL AWAY & CARRY UP DROPLETS OF ROSIN & THERMAL DEGRADATION (SUPDAT)

Disposal

Waste Disposal Methods:SOLDER CAN BE RECLAIMED. DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL REGULATIONS .

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