

LUCAS-MILHAUPT INC -- SILVER-COPPER-PHOSPORUS BRAZING ALLOYS, SIL-F

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MSDS Safety Information
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FSC: 3439
NIIN: 00-191-3250
MSDS Date: 01/19/1998
MSDS Num: CGWZP
Product ID: SILVER-COPPER-PHOSPORUS BRAZING ALLOYS, SIL-FOS
MFN: 02
Responsible Party
Cage: 91874
Name: LUCAS-MILHAUPT INC
Address: 5656 S PENNSYLVANIA
AVE
City: CUDAHY WI 53110-2453
Info Phone Number: 800-558-6003 MR. JIM BACH
Emergency Phone Number: 414-769-6000/800-424-9300(CHEMTREC)
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 91874
Name: LUCAS-MILHAUPT INC A HANDY & HARMAN CO
Address: 5656 SOUTH PENNSYLVANIA AVENUE
City: CUDAHY WI 53110
Phone: 414-769-6000

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Item Description Information
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Item Manager: S9G
Item Name: BRAZING ALLOY, COPPER
Specification Number: AWS A5.8-92
Type/Grade/Class: CLASS BCUP-5
Unit of Issue: CL
Quantitative Expression: 0000000005OZ
UI Container Qty: 0
Type of Container: COIL

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Ingredients
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Cas: 7440-50-8
RTECS #: GL5325000
Name: COPPER (SARA 313) (CERCLA)
% Wt: 27-92.

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Other REC Limits: NONE RECOMMENDED
OSHA PEL: 0.1MG/M3 FUME/1 DUST
ACGIH TLV: 0.2 MG/M3 FUME; 9596
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 7723-14-0
RTECS #: TH3500000
Name: PHOSPHOROUS (YELLOW) (SARA 302/313) (CERCLA), 0.01-7.25%.
% Wt: SEE ING
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 0.1 MG/M3
ACGIH TLV: 0.02 PPM; 9596
EPA Rpt Qty: 1 LB
DOT Rpt Qty: 1 LB

Cas: 7440-22-4
RTECS #: VW3500000
Name: SILVER (SARA 313) (CERCLA
)
% Wt: .9-73.0
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 0.01 MG/M3
ACGIH TLV: 0.1 MG/M3; 9596
EPA Rpt Qty: 1 LB
DOT Rpt Qty: 1 LB

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Health Hazards Data
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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry Inds - Inhalation: YES
Skin: NO
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: PRODS COMPO INHAL NOT KNOWN TO PRESENT SIGNIF RISK
TO
HEALTH WHEN USED ACCORDING TO INSTRUCTIONS & W/APPAROP PROT
MEASURES.COMPO ELEMENTS INHAL HAS BEEN REPORTED TO CAUSE 1/MORE OF FOLLOW
SYMPT/EFFECT S UPON EXCESSIVELY HIGH/PROL EXPO:CU:ACUTE EXPO MAY CAUSE RESP
TRACT IRRIT,FEVER,MUSCLE ACHE,CHILLS,COUGH,WEAK,(SIGN/SY)
Explanation Of Carcinogenicity: PER MSDS:CARCINOGENICITY:NONE OF COMPO OF THESE
PROD ARE CLASSIFIED AS POT OR DEMONSTRATED HUMAN CAR BY IARC/NTP/OSHA.
Signs And Symptoms Of Overexposure: HEALTH:METALLIC TASTE.CHRO

NIC EXPO DMG

LIV/KID/SPLEEN/PANCR/BRAIN.PHOSPHORUS:RED FORM STABLE,RELATIVELY NON-TOXIC @RT.HEAT IN PRESENCE OF AIR CONVERTED TO PHOSPHORUS PENTOXIDE-CORR,IRRIT EYE/NOSE/THRO AT/MUC MEMB.SILVER:CHRONIC EXPO PRODUCEARGYRIA,PERM BLUE-GRAY DISCOLORATION OF SKIN,EYE,MUC MEMB,RESP(SUPPLEMENTAL)

Medical Cond Aggravated By Exposure: PRE-EXISTING PULM

DISEASES(E.G.BRONCHITIS,ASTHMA)MAY BE AGGRAVATED BY INHAL EXPO,PARTICULARLY AS FUME.CHRONIC EXPO BY INHAL &/OR INGEST MAY AGGRAVATE PRE-EX

ISTIJNG

DISEASE OF LIV/KID/GI SYSTEM.

First Aid: SIGNS/SYMPTOMS OF TOXICITY OBSERVED REMOVE SUBJ FRM AREA ADMIN

OXY.SEEK MED ATTN.KEEP SUBJ WARM/@REST.PERFORM ART RESP IF BREATHING HAS STOP.SKIN:REMOE CONTAM CLOTH.WASH AFFECTED AREA W/LG QUANT OF WA TE FOR @LEAST 5MINS.SEEK MED ASSIST IF NECESSARY.EYE:FLUSH W/WATER FOR @LEAST 15MINS.SEEK MED ASSIST IF NECESSARY.INGEST:SUBJ CONSC INDUCE VOMIT.UNCOSNC/CONVUL SEEK IMMED MED ASSIST.

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Handling and Disposal

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Spill Release Procedures: IF FINELY-DIVIDED FORM OF PRODUCT IS SPILLED,CLEANUP SPILLAGE SO AS TO MINIMIZE DISPERSION OF DUST.WET SWEEPING OR VACUUMING USING HEPA FILTRATION ARE RECOMMENDED.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: CONSULT MFG FOR DISPOSITION OF UNUSED OR UNUSABLE PRODUCT.SARA TITLE III SEC 313:COPPER 27.0-92.6%,PHOSPHORUS 0.01-7.25%,SILVER 0.9-73.0%.

Handling

And Storage Precautions: DONT STORE IN PROXIMITY OT INCOMPATIBLE MATLS.

Other Precautions: NONE SPECIFIED BY MANUFACTURER.

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Fire and Explosion Hazard Information

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Extinguishing Media: USE DRY CHEMICAL.DO NOT USE WATER.

Fire Fighting Procedures: FIGHTING FIRE IN WHICH THESE PRODUCTS PRESENT WEAR SELF-CONTAINED BREATHING APPARATUS W/FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTH ER POSITIVE PRESS MODE.

Unusual Fire/Explosion Hazard: FINEY-DIVID FORM PRODS MAY IGN WHEN EXPO TO FLAME/BY RX W/INCOMPA MATL.IF PRESENT IN FIRE/EXPLO THEY EMIT FUMES OF CONSTITUENT METALS/METAL OXIDES,(SUPPLEMENTA)

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Control Measures

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Respiratory Protection: EXPO LEVEL EXCEEDS OSHA PEL,OTHER APPLIC STD USE NIOSH-APPROV RESP HAVING CONFIGURATION(CLASS,TYPE OF FCPC,FILT MEDIA,ASSIGN

ED

PROT FACTOR,ETC)APPROP TO CONC OF CONTAMINANT(S) GENERATED.FOR GUIDANCE O
NSELECTION/USE RESP PROT SEE ANS Z88.2.

Ventilation: USE APPROP VENTI(DILU,LOC EXHAU)ADEQUATE TO MAINTAIN CONC OF ALL
COMPO & THEIR DECOMPO BYPRODS TO W/IN OSHA PELS/STDS.

Protective Gloves: PROT GLOVES

Eye Protection: PROT ADEQUATE TO PREVENT CONTACT

Other Protective Equipment: PLAST-FRAME SPEC W/SIDESHIELDS & FILT
LENSE(SHADE#3,#4)RECOMMENDED.CLOTHING PROT FRM BRAZING & FINE-DIVID MATL.

Work Hygienic Pract

ices: AVOID FLAMM FABRICS.TO MIN POSSIBLITY OF INGEST WASH
HANDS/FACE BEF EAT/DRINK/APPLY COSMETICS/USE TOBACCO.

Supplemental Safety and Health: FIRE/EXPLO:P205. SIGN/SYM:SKIN:FINE-DIVID CAUSE
ARGYRIA,IRRIT,DISCOLOR,& /OR CONTACT DERM.EYE:FINE-DIVID CAUSE
IRRIT,ARGYRIA,CONJUNC,& /OR ULCER OF CORNEA.INGEST:FINE-DIVID CAUSE
NAU,VOMIT,GI IRRIT.CHRO NIC MAY DMG LIV/KID/GI SYS.

INCOMP:HALOGENS,PERMONOSULFURIC ACID,SEOCL,SEOF,SEF4,HYDRAZINE
MONONITRATE,CS2,FERIC CARBONY

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Physical/Chemical Properties

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HCC: N1

M.P/F.P Text: 1190F,643C

Vapor Pres: NA

Vapor Density: NA

Spec Gravity: 7.86-8.44

Solubility in Water: INSOLUBLE

Appearance and Odor: ODORLESS LIGHT-COPPER METALS,FORM OF
WIRE/ROD/STRIP/POWDER/TAPE,GRAIN,PREF SHAP

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Reactivity Data

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Stability Indicato

r: YES

Stability Condition To Avoid: SILVER AND COPPER CAN FORM UNSTABLE ACETYLIDES
UPON CONTACT W/ACETYLENE GAS.

Materials To Avoid: HNO3,AZIDES,ETHANOL,ETHYLENE

IMINE,MG,CHLORATES,BROMATES,IODATES,INROG/ORG PEROXIDES,PEROXYFORMIC
ACID,NITROBENZENE(SUP)

Hazardous Decomposition Products: HEATING @ELEVATED TEMP MAY LIBERATE
METAL/METAL OXIDE FUME & PHOSPHORUS PENTOXIDE.

Hazardous Polymerization Indicator: NO

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Toxicological Information

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Ecological Information

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MSDS Transport Information

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Regulatory Information

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Other Information

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Transportation Information

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Responsible Party Cage: 91874

Trans ID NO: 55763

Product ID: SILVER-COPPER-PHOSPORUS BRAZING ALLOYS, SIL-FOS

MSDS Prepared Date: 01/19/1998

Review Date: 06/18/1998

MFN: 2

Net Unit Weight: 5 OZ

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: CL

Container Q

TY: 0

Type Of Container: COIL

Additional Data: PER MSDS:HAZARD CLASS:SHIPMENT NOT CONTROLLED BY
USDOT/ICAO/IMO REGULATIONS.

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Detail DOT Information

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DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Detail IMO Information

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IMO PSN Code:

ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

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Detail IATA Information

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IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Detail AFI Information

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AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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HAZCOM Label

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Product ID: SILVER-COPPER-PHOSPHORUS BRAZING ALLOYS, SIL-FOS

Cage: 91874

Company Name: LUCAS-MILHAUPT INC A HANDY & HARMAN CO

Street: 5656 SOUTH PENNSYLVANIA AVENUE

City: CUDAHY WI

Zipcode: 53110

Health Emergency Phone: 414-769-6000/800-424-9300(CHEMTREC)

Label Required IND: Y

Date Of Label Review: 06/18/1998

Status Code: C

Label Date: 06/18/1998

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Respiratory Protection IND: YES

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: PRODS COMPO INHAL NOT KNOWN TO PRESENT SIGNIF RISK TO HEALTH WHEN USED ACCORDING TO INSTRUCTIONS & W/APPAROP PROT MEASURES.TARGET ORGANS:INHAL,SKIN,EYE,RESPIRATORY TRACT,LIVER,KIDNEY,SPLEEN,MUC MEMB,G I IRRIT.DONT STORE IN PROXIMITY OF INCOMPATIBLE MATLS. FIRST AID: S

IGNS/SYMPTOMS OF TOXICITY OBSERVED REMOVE

SUBJ FRM AREA ADMIN OXY.SEEK MED ATTN.KEEP SUBJ WARM/@REST.PERFORM ART RESP IF BREATHING HAS STOP.SKIN:REMOE CONTAM CLOTH.WASH AFFECTED AREA W/LG QUANT OF WATE FOR @LEAST5MINS.SEEK MED ASSIST IF NECESSARY.EYE:FLUSH W/WATER FOR @LEAST 15MINS.SEEK MED ASSIST IF NECESSARY.INGEST:SUBJ CONSC IND UCE VOMIT.UNCOSNC/CONVUL SEEK IMMED MED ASSIST.

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