

LUCAS-MILHAUPT INC -- SILVER-COPPER-PHOSPHORUS BRAZING ALLOYS

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MSDS Safety Information  
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FSC: 3439  
NIIN: 00-188-6982  
MSDS Date: 01/19/1998  
MSDS Num: CKXDH  
Product ID: SILVER-COPPER-PHOSPHORUS BRAZING ALLOYS  
MFN: 01  
Responsible Party  
Cage: 91874  
Name: LUCAS-MILHAUPT INC  
Address: 5656 SOUTH PENNSYLVANIA AVENU  
E  
City: CUDAHY WI 53110  
Info Phone Number: 414-769-6000  
Emergency Phone Number: (800)424-9300  
Chemtrec IND/Phone: (800)424-9300  
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  
Cage: 5W208  
Name: ROBINSON TECHNICAL PRODUCTS CORP  
Address: 115 RIVER  
RD  
City: EDGEWATER NJ 07020  
Phone: UNKNOWN  
Contract Number: SP0450-01-D-5067

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Item Description Information  
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Item Manager: S9G  
Item Name: BRAZING ALLOY,COPPER  
Specification Number: QQ-B-650;AWS A5.8-92  
Type/Grade/Class: BCUP-5  
Unit of Issue: CO  
Quantitative Expression: 00000000016OZ  
UI Container Qty: 1  
Type of Container: ROD

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Ingredi

ents

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Cas: 7440-50-8  
RTECS #: GL5325000  
Name: COPPER  
% low Wt: 27.  
% high Wt: 92.6  
OSHA PEL: 1 MG/M3 (DUST/MIST)  
ACGIH TLV: 1 MG/M3 (DUST/MIST)  
ACGIH STEL: NOT ESTABLISHED  
EPA Rpt Qty: 5000 LBS  
DOT Rpt Qty: 5000 LBS  
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Cas: 7723-14-0  
RTECS #: TH3495000  
Name: PHOSPHORUS  
% low Wt: .01  
% high Wt: 7.25  
OSHA PEL: 0.1 MG/M3  
ACGIH TLV: 0.1 MG/M3;0.02 PPM  
ACGIH STEL: NOT ESTABLISHED  
EPA Rpt Qty: 1 LB  
DOT Rpt Qty: 1 LB  
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Cas: 7440-22-4  
RTECS #: VW3500000  
Name: SILVER  
% low Wt: .9  
% high Wt: 73.  
OSHA PEL: 0.01 MG/M3  
ACGIH TLV: 0.1 MG/M3  
ACGIH STEL: NOT ESTABLISHED  
EPA Rpt Qty: 1 LB  
DOT Rpt Qty: 1 LB  
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Health Hazards Data

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LD50 LC50 Mixture: NO DATA PROVIDED BY MANUFACTURER  
Route Of Entry Inds - Inhalation: YES  
Effects of Exposure: INHALATION OF THE COMPONENTS OF THESE PRODUCTS

IS NOT KNOWN TO PRESENT A SIGNIFICANT RISK TO HEALTH WHEN USED ACCORDING TO INSTRUCTIONS AND WITH APPROPRIATE PROTECTIVE MEASURES. INHALATION OF COMPONENT ELEMENTS HAS BEEN REPORTED TO CAUSE ONE OR MORE OF THE FOLLOWING SYMPTOMS

AND EFFECTS UPON EXCESSIVELY HIGH OR PROLONGED EXPOSURE.

Explanation Of Carcinogenicity: NO DATA PROVIDED BY MANUFACTURER.

Signs And Symptoms Of Overexposure: COPPER: ACUTE EXPOSURE MAY CAUSE RESPIRATORY TRACT IRRITATION, WEAKNESS, MUSCLE ACHES, CHILLS, COUGH, DIZZINESS,

AND METALLIC TASTE. CHRONIC EXPOSURE MAY DAMAGE THE LIVER, KIDNEY, SPLEEN, PANCREAS, AND BRAIN. PHOSPHORUS: THE RED FORM OF PHOSPHORUS IS STABLE AND RELATIVELY NON-TOXIC AT ROOM TEMPERATURE. WHEN HEATED IN THE PRESENCE OF AIR, IT IS CONVERTED TO PHOSPHORUS PENTOXIDE, WHICH IS CORROSIVE AND IRRITATING TO THE EYES. SILVER: CHRONIC EXPOSURE MAY PRODUCE ARGYRIA, A PERMANENT BLUE-GRAY DISCOLORATION OF THE SKIN, EYE, MUCOUS MEMBRANES, AND RESPIRATORY TRACT.

Medical Condition Aggravated By Exposure: NO DATA PROVIDED BY MANUFACTURER.

First Aid: INHALATION: IF SIGN AND SYMPTOMS OF TOXICITY ARE OBSERVED, REMOVE SUBJECT FROM AREA, ADMINISTER OXYGEN, AND SEEK MEDICAL ATTENTION. KEEP THE SUBJECT WARM AND AT REST. PERFORM ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED.

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

Neutralizing Agent: NO DATA PROVIDED BY MANUFACTURER

Waste Disposal Methods: CONSULT THE MANUFACTURER FOR DISPOSITION OF UNUSED OR UNUSABLE PRODUCT.

Handling And Storage Precautions: DO NOT STORE IN PROXIMITY TO INCOMPATIBLE MATERIALS. SEE REACTIVITY SECTION.

Other Precautions: NO DATA PROVIDED 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: IF FIGHTING A FIRE IN WHICH THESE PRODUCTS ARE PRESENT, WEAR A SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard: IN FINELY-DIVIDED FORM, THESE PRODUCTS MAY IGNITE WHEN EXPOSED TO FLAME OR BY REACTION WITH INCOMPATIBLE

BLE MATERIALS (SEE REACTIVITY SECTION). IF PRESENT IN A FIRE OR EXPLOSION, THEY MAY EMIT FUMES OF THE CONSTITUENT METALS OR METAL OXIDES AND PHOSPHORUS PENTOXIDE.

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Control Measures  
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Respiratory Protection: IF AN EXPOSURE LEVEL EXCEEDS AN OSHA PEL (S) OR OTHER APPLICABLE STANDARD, USE A NIOSH-APPROVED RESPIRATOR HAVING A CONFIGURATION (CLASS, TYPE OF FACEPIECE, FILTER MEDIA, ASSIGNED PROTECTION FACTOR, ETC.)

APPROPRIATE TO THE CONCENTRATION OF THE CONTAMINANT(S) GENERATED. FOR GUIDANCE ON SELECTION AND USE OF RESPIRATORY PROTECTION, CONSULT ANSI Z88.2.

Ventilation: USE APPROPRIATE VENTILATION (E.G., DILUTION, LOCAL EXHAUST) ADEQUATE TO MAINTAIN CONCENTRATIONS TO WITHIN THEIR PELS OR OTHER APPLICABLE STANDARDS.

Protective Gloves: WEAR APPROPRIATE PROTECTIVE GLOVES

Eye Protection: PLASTIC-FRAME SPECTACLES WITH SIDE SHIELDS AND FILTER LENSES.

Other Protective Equ

ipment: WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN INJURIES FROM THE HAZARDS OF BRAZING AND/OR FOR PROLONGED OR REPEATED CONTACT WITH FINELY-DIVIDED FORMS OF PRODUCT. AVOID FLAMMABLE FABRICS

Work Hygienic Practices: TO MINIMIZE THE POSSIBILITY OF INGESTION, WASH HANDS AND FACE BEFORE EATING, DRINKING, APPLYING COSMETICS, OR USING TOBACCO.

Supplemental Safety and Health: NO DATA PROVIDED BY MANUFACTURER

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Physical/Chemical Properties  
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HCC: N1

Boiling Point: =643.3C, 1190.F

Spec Gravity: 7.86-8.44

Solubility in Water: INSOLUBLE

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

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Reactivity Data  
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Stability Indicator: YES ATE, CARBON DISULFIDE

Stability Condition To Avoid: STABLE AT ROOM TEMPERATURE. SILVER AND COPPER CAN

FORM UNSTABLE ACETYLIDES UPON CONTACT WITH ACETYLENE GAS.

Materials To Avoid: AMMONIA, HNO3, AZIDES, ETHANOL, ETHYLENE INIMO, MG; CHLOREATES, BROMATES, AND IODATES, INORGANIC AND ORGANIC PEROXIDES, PEROXYFORMIC ACIDS. MITROBENZENE, HALOGENS. PERMONOSULFURIC ACID. SEOC1, SEOF, SEF4, HYDRAZINE MONONIT

Hazardous Decomposition Products: HEATING TO ELEVATED TEMPERATURES MAY LIVERATE METAL/METAL OXIDE FUME AND PHOSPHORUS PENTOXIDE.

Hazardous Polymerization Indicator: NO

Cond

itions To Avoid Polymerization: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

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Toxicological Information  
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Toxicological Information: NO DATA PROVIDED BY MANUFACTURER.  
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Ecological Information  
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Ecological: NO DATA PROVIDED BY MANUFACTURER.  
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MSDS Transport Information  
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Transport Information: HAZARD CLASS: SHIPMENT IS NOT CONTROLLED BY  
USDOT/ICAO/IMO REGULATIONS.  
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Regulatory Information  
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Sara Title III Information: THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS  
SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY  
PLANNING AND COMMU

NITY RIGHT-TO-KNOW ACT (EPCRA) OF 1986 AND 40 CFR 372: CAS#  
7440-50-8, COPPER, 27.0-96.6%; CAS# 7723-14-0, PHOSPHOROUS, 0.01-7.25%,;  
CAS# 7440-22-4, SILVER, 0.9-73-0%.

Federal Regulatory Information: NO DATA PROVIDED BY MANUFACTURER.

State Regulatory Information: NO DATA PROVIDED BY MANUFACTURER.  
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Other Information  
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Other Information: NO DATA PROVIDED BY MANUFACTURER.  
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Transportation Information  
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Responsible Party Cage: 91874  
Trans ID NO: 155713  
Product ID: SILVER-COPPER-PHOSPHORUS BRAZING ALLOYS  
MSDS Prepared Date: 01/19/1998  
Review Date: 01/02/2001  
MFN: 1  
Net Unit Weight: 1 LB  
Multiple KIT Number: 0  
Unit Of Issue: CO  
Container QTY: 1  
Type Of Container: ROD  
Additional Data: NOT REGULATED PER MSDS.  
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Detail DO

T 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-PHOSPHORU

S BRAZING ALLOYS

Cage: 91874

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

Street: 5656 SOUTH PENNSYLVANIA AVENUE

City: CUDAHY WI

Zipcode: 53110

Health Emergency Phone: (800)424-9300

Label Required IND: Y

Date Of Label Review: 01/02/2001

Status Code: A

Year Procured: 2001

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: WARNING

Respiratory Protection IND: NO

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: None

Reactivi

ty Hazard: None

Hazard And Precautions: TARGET ORGANS: N/P. INHALATION OF THE COMPONENTS OF THESE PRODUCTS IS NOT KNOWN TO PRESENT A SIGNIFICANT RISK TO HEALTH WHEN USED ACCORDING TO INSTRUCTIONS AND WITH APPROPRIATE PROTECTIVE MEASURES. INHALATION OF COMPONENT ELEMENTS HAS BEEN REPORTED TO CAUSE ONE OR MORE OF THE FOLLOWING SYMPTOMS AND EFFECTS UPON EXCESSIVELY HIGH OR PROLONGED EXPOSURE.

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