

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

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MSDS Safety Information
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FSC: 3439
NIIN: 00-052-1899
MSDS Date: 12/09/1997
MSDS Num: CHLZQ
Product ID: SILVER-COPPER-PHOSPHORUS BRAZING ALLOYS
MFN: 01
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 (75-1)
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,SILVER
Specification Number: QQ-B-654
Unit of Issue: TO
UI Container Qty: C
Type of Container: UNKNOWN

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Ingredients
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Cas: 7440-50-8
RTECS #: GL5325000
Name: COPPER (SARA III)
% Wt: 27-92.6
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 0.1MG/M3 FUME/1 DUST
ACGIH TLV: 0.2 MG/M3 FUME; 9394
EPA

Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 7723-14-0
RTECS #: TH3500000
Name: PHOSPHOROUS (YELLOW) (SARA III)
% Wt: .01-7.3
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 0.1 MG/M3
ACGIH TLV: 0.02 PPM; 9394
EPA Rpt Qty: 1 LB
DOT Rpt Qty: 1 LB

Cas: 7440-22-4
RTECS #: VW3500000
Name: SILVER (SARA III)
% Wt: .9-73.0
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 0.01 MG/M3
ACGIH TLV: 0.1 MG/M3; 9394
EPA Rpt Qty: 1 LB
DOT Rpt Qty: 1 LB

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Health Hazards Data
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LD50 LC50 Mixture: TLV: UNKNOWN
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO

Effects of Exposure: SKIN-CONTACT WITH POWDER FORM MAY PRODUCR LOCALIZED IRRITATION, LOCALIZED ARGYRIA &/OR SKIN DISCOLORATION &; CONTACT DERMATITIS. EYE-MAY PRODUCE LOCALIZED ARGYRIA, IRRITATION, CONJUNCTIVITIS,

&; ULCERAT ION OF THE CORNES.

Explanation Of Carcinogenicity: NEITHER SILVER, COPPER, NOR PHOSPHORUS ARE CLASSIFIED AS POTENTIAL OR DEMOSTRATED HUMAN CARCINOGENS BY IARC, NTP, OSHA.

Signs And Symptions Of Overexposure: INGESTION OF THIS MATERIAL IN FINELY-DIVIDED FORM MAY PRODUCE GASTRIC IRRITATION, VOMITING, ABDOMINAL PAIN, HEMORRHAGE, AND DIARRHEA. LONG TERM CHRONIC INGESTION MAY PRODUCE DAMAGE TO LIVER, KIDNEY, S PLEEN, PANCREAS, SKELETAL SYSTEM AND BRAIN.

Medical Cond Aggravated B

y Exposure: PRE-EXISTING PULMONARY DISEASES MAY BE AGGRAVATED BY INHALATION EXPOSURE TO THIS MATERIAL, PARTICULARLY AS FUMES.
First Aid: INHALATION-REMOVE SUBJECT FROM CONTAMINATED AREA, ADMINISTER OXYGEN, SEEK MEDICAL ATTENTION. KEEP WARM & AT REST. PERFORM CPR IF STOPPED BREATHING. SKIN-REMOVE CLOTHING. WASH AREA WITH WATER FOR 15 MIN . SEE PHYSICIAN. EYE-FLUSH AREA WITH WATER FOR 15 MIN. SEE PHYSICIAN. INGESTION-IF SUBJECT IS CONSCIOUS, INDUE VOMITING. IF UNCONSCIOUS OR CONVULSIVE, SEEK IMMEDIATE MEDICAL ASISTANCE.

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Handling and Disposal
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Spill Release Procedures: CLEAN UP SPILLED MATERIAL SO AS TO MINIMIZE DISPERSION OF DUST. WET SWEEPING OR VACUUMING USING HEPA FILTRATION ARE RECOMMENDED METHODS.

Waste Disposal Methods: RETURN TO MANUFACTURER FOR RECLAIM.

Handling And Storage Precautions: DO NOT STORE AT HIGHLY-ELEVATED TEMPERATURES OR IN PROXIMITY TO INCOMPATIBLE MATERIALS.

Other Precautions: BRAZING ALLOYS MAY BE USED WITH A SEPERATEKY-APPLIED FLUX WHICH, WHEN HEATED MAY EMIT IRRITATING AND/OR TOXIC GASES OR FUMES. CONSULT THE MSDS FOR THE SPECIFIC FLUX IN USE TO DETERMINE ITS HAZARDS AND APPROPRIATE PROTECTIVE MEASURES.

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Fire and Explosion Hazard Information
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Extinguishing Media: USE DRY POWDER. DO NOT USE WATER.

Fire Fighti

ng Procedures: USE SELF-CONTAINED BREATHING APPARATUS WITH FULL-FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard: IN FINELY-DIVIDED FORM, THIS MATERIAL MAY IGNITE WHEN EXPOSED TO FLAME OR BY REACTION WITH INCOMPATIBLE MATERIALS.

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Control Measures
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Respiratory Protection: IF EXPOSURE LEVELS EXCEED THE OSHA PEL, WEAR A NIOSH-APPROV

ED RESPIRATOR HAVING A PROTECTION FACTOR APPROPAPITE TO THE AIRBORNE CONCENTRATIONS OF THE CONTAMINANTS GENERATED.

Ventilation: USE MECHANICAL LOCAL EXHAUST VENTILATION ADEQUATE TO MAINTAIN AIRBORNE CONCENTRATIONS OF ALL COMPONENTS.

Protective Gloves: WEAR APPROPRIATE PROTECTIVE GLOVES.

Eye Protection: SAFETY GLASSES, DUST-PROOF GOGGLES.

Other Protective Equipment: WEAR PROTECTIVE CLOTHING.

Work Hygienic Practices: TO AVOID INGESTION OF MATERIAL, WASH HANDS AND FACE BEFORE EATING, DRINKING O

R CONSUMPTION OF TOBACCO.
Supplemental Safety and Health: NONE

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Physical/Chemical Properties
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HCC: N1
M.P/F.P Text: 1190F,643C
Spec Gravity: 7.86-8.44
Solubility in Water: INSOLUBLE.
Appearance and Odor: LIGHT-COPPER METAL IN FORM OF WIRE, ROD, STRIP, POWDER, OR PERFORMED SHAPES.

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Reactivity Data
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Stability Indicator: YES
Stability Condition To Avoid: STABLE AT ROOM TEMPERATURE.
Materials To Avoid: ACETYLENE; NH3; HNO3; AZIDES; ETHANOL; ETHYLENE IMINE; MG; CF3; CL2; CLO; INORGANIC AND ORGANIC PEROXIDES.
Hazardous Decomposition Products: HEATING & BRAZING TEMPERATURES MAY LIBERATE OXIDES OF METALS & PHOSPHORUS.
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: NONE

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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: 44783
Product ID: SILVER-COPPER-PHOSPHORUS BRAZING ALLOYS
MSDS Prepared Date: 12/09/1997
Review Date: 08/06/1998
MFN: 1
Net Unit Weight: UNKNOWN
AF MMAC Code: NR
Multiple KIT Number: 0
Review IND: Y
Unit Of Is

sue: TO
Container QTY: C
Type Of Container: UNKNOWN

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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 TRANSPORTATI
ON
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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
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 (75-1)
Date Of Label Review: 08/06/1998
Status Code: C
Label Date: 08/06/1998
Origination Code: F
Chronic Hazard IND: Y
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: WARNING

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: DO NOT STORE AT HIGHLY-ELEVATED TEMPERATURES OR IN PROXIMITY TO INCOMPATIBLE MATERIALS. IN CASE OF SPILL: CLEAN UP SPILLED MATERIAL SO AS TO MINIMIZE DISPERSION OF DUST. WET SWEEPING OR VACUUMING USING HEPA FILTRATION ARE RECOMMENDED METHODS. FIRST AID: INHALATION-REMOVE SUBJECT FROM CONTAMINATED AREA, ADMINISTER OXYGEN, SEEK MEDICAL ATTENTION.

KEEP WARM & AT REST. PERFORM CPR IF STOPPED BREATHING. SKIN-REMOVE CLOTHING. WASH AREA WITH WATER FOR 15 MIN. SEE PHYSICIAN. EYE- FLUSH AREA WITH WATER FOR 15 MIN. SEE PHYSICIAN. INGESTION-IF SUBJECT IS CONSCIOUS, INDUCE VOMITING. IF UNCONSCIOUS OR CONVULSIVE, SEEK IMMEDIATE MEDICAL ASSISTANCE.

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