

MSDS Safety Information

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 AVENUE
City: CUDAHY WI 53110
Info Phone Number: 414-769-6000
Emergenc
y Phone Number: (800)424-9300
Chemtrec IND/Phone: (800)424-9300
Review Ind: Y
Published: Y

Contractor Summary

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: SP04
50-01-D-5067

Item Description Information

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

Ingredients

Ca

s: 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

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

Cas: 7440-22-4
RTECS #: VW3500000
N
ame: 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 SIGNIFICANAT RISK TO HEALTH WHEN US

ED 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, VEVER, MUSCLE ACHE, CHILLS, COUGH, ERAKNESS, AMD METALLIX TASTE. CHRONIC EXPOSURE MAY DAMAGE THE LIVER, KIDNEY, SPLEEN, PANCREAS, AND BRA IN. 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 PENTOXICDE, WHIDCH 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 Cond Aggravated By Exposure: NO DATA PROVIDED BY MANUFACTURER.

First Ai
d: 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 MINIMUZE 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 MATERIALS (SEE REACTIVITY SECTION). IF PRESENT IN A FIRE O

R 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, E TC.)
APPROPRIATE TO THE CONCENTRATI

ON 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 Equipment: WEAR APPROPRIAATE 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

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 ACE
TYLENE GAS.

Materials To Avoid: AMMONIA, HNO3, AZIDES, ETHANOL, ETHYLENE INIMO, MG;
CHLOREATES, BROMATES, AND IODATES, INORGAN IC 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

Conditions To Avoid Polymerization: HAZARDOUS POLYMERIZATION WILL NO

T 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 COMMUNITY RIGHT-TO-KNOW ACT (EPCRA) OF 1986 AND 40 CFR 372: CAS#
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440-50-8, 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 Inform
ation

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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 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:

ame: 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: (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

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: N/P. INHA

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THE
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information is formulated f
or use by elements of the Department of Defense.
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viability by or to any person or persons outside the Department of Defense
nor any person or persons contracting with any instrumentality of the United
States of America and disclaims all liability for such use. Any person
utilizing this instruction who is not a military or civilian emp
loyee of the
United States of America should seek competent professional advice to verify
and assume responsibility for the suitability of this information to their
particular situation regardless of similarity to a corresponding Department
of Defense or other government situation.