

R & D METALS AND CHEMICALS IN -- COPPER-PHOSPHORUS BRAZING ALLOYS

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MSDS Safety Information
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FSC: 3439
NIIN: 00-368-8536
MSDS Date: 12/09/1997
MSDS Num: CKNSZ
Product ID: COPPER-PHOSPHORUS BRAZING ALLOYS
MFN: 01
Responsible Party
Cage: 56406
Name: R & D METALS AND CHEMICALS INC
Address: 201C PERIMETER PARK
Box: 22533
City: KNOXVILLE TN 37922
Info Phone Number: 423-531-6065/800-645-7476
Emergency Phone Number: 800-645-7476
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 56406
Name: R & D METALS AND CHEMICALS INC
Address: 201C PERIMETER PARK
Box: 22533
City: KNOXVILLE TN 37922
Phone: 423-531-6065/800-645-7476

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Item Description Information
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Item Manager: S9G
Item Name: BRAZING ALLOY, COPPER
Unit of Issue: CO
Quantitative Expression: 10000000022LB
UI Container Qty: 2.2LBS

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Ingredients
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Cas: 7440-50-8
RTECS #: GL5325000
Name: COPPER
% low Wt: 91.05
% high Wt: 95.
OSHA PEL: 1 MG/M3
ACGIH TLV: 1 MG/M3
ACGIH STEL: NOT ESTABLISHED
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 7723-14-0
RTECS #: TH3495000
Name: PHOSPHORUS
% low Wt: 5.
% high Wt: 8.95
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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Health Hazards Data
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Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO

Effects of Exposure: ACUTE: INHALATION: INHALATION OF THE COMPONENTS AT HIGH CONCENTRATIONS OF DUSTS/FUMES MAY CAUSE RESPIRATORY TRACT IRRITATION AND/OR METAL FUME FEVER. SKIN: MAY CAUSE IRRITATION, DISCOLORATION, &/OR CONTACT DERMATITIS. EYE: CONTACT WITH THESE PRODUCTS IN FINELY-DIVIDED FORMS MAY CAUSE IRRITATION, CONJUNCTIVITIS, &/OR ULCERATION OF THE CORNEA. INGESTION: MAY CAUSE NAUSEA, VOMITING, & GASTROINTESTINAL IRRITATION. CHRONIC: INGESTION: MAY CAUSE DAMAGE TO THE LIVER, KIDNEYS, GASTROINTESTINAL SYSTEM, MUSCULOSKELETAL SYSTEM, & NERVOUS SYSTEM.

Explanation Of Carcinogenicity: NONE OF THE COMPONENTS OF THIS PRODUCT(S) ARE CLASSIFIED AS POTENTIAL OR DEMONSTRATED CARCINOGENS BY IARC, NTP OR OSHA.

Signs And Symptoms Of Overexposure: INHALATION: RESPIRATORY TRACT IRRITATION, FEVER, MUSCLE ACHES, CHILLS, COUGH, WEAKNESS, METALLIC TASTE. SKIN: MAY CAUSE

IRRITATION, DISCOLORATION, &/OR CONTACT DERMATITIS. EYE: IRRITATION, CONJUNCTIVITIS, &/OR ULCERATION OF THE CORNEA. INGESTION: MAY CAUSE NAUSEA, VOMITING, & GASTROINTESTINAL IRRITATION.

Medical Cond Aggravated By Exposure: PRE-EXISTING PULMONARY DISEASES MAY BE AGGRAVATED BY INHALATION EXPOSURE, PARTICULARLY AS FUME. CHRONIC EXPOSURE MAY AGGRAVATE PRE-EXISTING DISEASES OF LIVER, KIDNEYS, GI TRACT, NERVOUS SYSTEM.

First Aid: INHALATION: IF SIGNS & SYMPTOMS OF TOXICITY ARE OBSERVED, REMOVE SUBJECT FROM AREA, ADMINISTER OXYGEN, & SEEK MEDICAL ATTENTION. KEEP THE SUBJECT WARM & AT REST. PERFORM ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREA WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ASSISTANCE IF NECESSARY. EYE: FLUSH AFFECTED AREA WITH WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ASSISTANCE IF NECESSARY. INGESTION: IF SUBJECT IS CONSCIOUS, INDUCE VOMITING. IF UNCONSCIOUS OR CONVULSIVE, SEEK IMMEDIATE MEDICAL ASSISTANCE.

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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 USE HEPA FILTERATION ARE RECOMMENDED.

Waste Disposal Methods: DISPOSE OF UNSUED OR UNSTABLE PRODUCT IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE/PROVINCIAL, & LOCAL REGULATIONS.

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

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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 MODE
Unusual Fire/Explosion Hazard: IN FINELY-DIVIDED FORM, THESE PRODUCTS MAY
IGNITE WHEN EXPOSED TO FLAME OR BY REACTION WITH INCOMPATIBLE MATERIALS. IF
PRESENT IN A FIRE OR EXPLOSION, THEY MAY EMIT FUMES OF COPPER OXIDE &
PHOSPHORUS PENTOXIDE.

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Control Measures
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Respiratory Protection: IF EXPOSURE LEVEL EXCEEDS OSHA PEL(S) OR OTHER
APPLICABLE STANDARD, USE A NIOSH-APPROVED RESPIRATOR HAVING A CONFIGURATION
APPROPRIATE TO THE CONCENTRATION OF THE CONTAMINANT(S) GENERATED. FOR
GUIDEANCE ON SELECTION & USE OF RESPIRATORY PROTECTION, CONSULT AMERICAN
NATIONAL STANDARD Z88.2 (ANSI, NEW YORK, NY 10036 USA).

Ventilation: USE APPROPRIATE VENTILATION ADEQUATE TO MAINTAIN CONCENTRATIONS
OF ALL COMPONENTS & THEIR DECOMPOSITION BYPRODUCTS TO WITHIN THEIR
RESPECTIVE OSHA PELS.

Protective Gloves: WEAR APPROPRIATE PROTECTIVE GLOVES.

Eye Protection: PLASTIC-FRAME SPECTACLES WITH SIDE SHIELDS & FILTER LENS
(SHADE#3 OR #4)

Other Protective Equipment: WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT
SKIN INJURY. AVOID FLAMMABLE FABRICS.

Work Hygienic Practices: TO AVOID INGESTION, WASH HANDS & FACE BEFORE EATING,
DRINKING, OR USING COSMETICS OR TOBACCO.

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Physical/Chemical Properties
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HCC: N1

Melt/Freeze Pt: =710.C, #####F

Spec Gravity: 8.01 TO 8.23

Solubility in Water: INSOLUBLE

Appearance and Odor: ODORLESS COPPER-YELLOW METALS OF WIRE, ROD, STRIP, POWDER
OR PREFORMED SHAPES

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Reactivity Data
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Stability Indicator: YES IUM TETRAFLUORIDE

Stability Condition To Avoid: STABLE AT ROOM TEMPERATURE COPPER CAN FORM AN
UNSTABLE ACETYLIDE UPON CONTACT WITH ACETYLENE GAS.

Materials To Avoid: AZIDES, NITRIC ACID, ETHANOL, ETHYLENE IMINE, MAGNESIUM,
CHLORATES, CARBON DISULFIDE, BROMATES, INORGANIC & ORGANIC PEROXIDES,
HALOGENS, CHLORINE TRIFLUORIDE, CHLORINE OXIDES, SELENIUM OXYCHLORIDE,
SELENIUM OXYFLUORIDE, SELE

Hazardous Decomposition Products: HEATING TO ELEVATED TEMPERATURES MAY
LIBERATE COPPER OXIDE & PHOSPHORUS PENTOXIDE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: HAZARDOUS POLYMERIZATION WILL NOT OCCUR

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Toxicological Information
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Ecological Information
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MSDS Transport Information
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Transport Information: SHIPMENT NOT CONTROLLED BY USDOT/IATA/ICAO/IMO.
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Regulatory Information

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Sara Title III Information: SARA 313 SUPPLIER NOTIFICATION: 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 OF 40 CFR 372: CAS# 7440- 50-8, COPPER, 91.05-95.0%; CAS# 7723-14-0, PHOSPHORUS, 5-8.95%.

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Other Information

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Transportation Information

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Responsible Party Cage: 56406
Trans ID NO: 153550
Product ID: COPPER-PHOSPHORUS BRAZING ALLOYS
MSDS Prepared Date: 12/09/1997
Review Date: 06/12/2000
MFN: 1
Net Unit Weight: 22 LBS
Multiple KIT Number: 0
Unit Of Issue: CO
Container QTY: 2.2LBS

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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: COPPER-PHOSPHORUS BRAZING ALLOYS
Cage: 56406
Company Name: R & D METALS AND CHEMICALS INC
Street: 201C PERIMETER PARK
PO Box: 22533
City: KNOXVILLE TN
Zipcode: 37922
Health Emergency Phone: 800-645-7476
Label Required IND: Y

Date Of Label Review: 06/12/2000
Status Code: A
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: CAUTION
Respiratory Protection IND: NO
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: None

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