

DOD Hazardous Materials Information System
DoD 6050.5-L
AS OF July 1998

FSC: 3439
NIIN: 00F052455
Manufacturer's CAGE: 27911
Part No. Indicator: A
Part Number/Trade Name: SAFETY-SILV 9 SILVER BRAZING ALLOYS (CADMIUM-FREE)

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General Information
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Item Name:
Company's Name: J W HARRIS CO INC
Company's Street: 10930 DEERFIELD RD
Company's P. O. Box: N/K
Company's City: CINCINNATI
Company's State: OH
Company's Country: US
Company's Zip Code: 45242-4110
Company's Emerg Ph #: 513-891-2000
Company's Info Ph #: 513-891-2000
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: F
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SE
Date MSDS Prepared: 01DEC95
Safety Data Review Date: 29JAN97
Supply Item Manager:
MSDS Preparer's Name:
Preparer's Company: J W HARRIS CO INC
Preparer's St Or P. O. Box: 10930 DEERFIELD RD
Preparer's City: CINCINNATI
Preparer's State: OH
Preparer's Zip Code: 45242-4110
Other MSDS Number:
MSDS Serial Number: CDBQL
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code:
Unit Of Issue:
Unit Of Issue Container Qty:
Type Of Container:
Net Unit Weight:

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NRC/State License Number:
Net Explosive Weight:
Net Propellant Weight-Ammo:
Coast Guard Ammunition Code:

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: SILVER *96-4*
Ingredient Sequence Number: 01
Percent: 9
Ingredient Action Code:
Ingredient Focal Point: F
NIOSH (RTECS) Number: VW3500000
CAS Number: 7440-22-4
OSHA PEL: 0.01 MG/CUM
ACGIH TLV: 0.1 MG/CUM
Other Recommended Limit: N/K
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Proprietary: NO
Ingredient: COPPER (DUST & MIST), BRONZE POWDER *96-4*
Ingredient Sequence Number: 02
Percent: 53
Ingredient Action Code:
Ingredient Focal Point: F
NIOSH (RTECS) Number: GL5325000
CAS Number: 7440-50-8
OSHA PEL: 0.1 MG(CU)/M3 (FUME)
ACGIH TLV: 0.2 MG/M3 (FUME)
Other Recommended Limit: 1 MG(CU)/M3 (DUST)
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Proprietary: NO
Ingredient: ZINC OXIDE *96-4*
Ingredient Sequence Number: 03
Percent: 38
Ingredient Action Code:
Ingredient Focal Point: F
NIOSH (RTECS) Number: ZH4810000
CAS Number: 1314-13-2
OSHA PEL: 5 MG/CUM
ACGIH TLV: 5 MG/CUM FUME
Other Recommended Limit: N/K
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Physical/Chemical Characteristics

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Appearance And Odor: SOLID MATERIALS.
Boiling Point: N/K
Melting Point: N/K
Vapor Pressure (MM Hg/70 F): N/K
Vapor Density (Air=1): N/K
Specific Gravity: N/K
Decomposition Temperature: N/K
Evaporation Rate And Ref: N/K

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Solubility In Water: N/K
Percent Volatiles By Volume: N/K
Viscosity:
pH: N/K
Radioactivity:
Form (Radioactive Matl):
Magnetism (Milligauss):
Corrosion Rate (IPY): N/K
Autoignition Temperature:
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Fire and Explosion Hazard Data

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Flash Point: NONFLAMMABLE
Flash Point Method: N/P
Lower Explosive Limit: N/K
Upper Explosive Limit: N/K
Extinguishing Media: N/K
Special Fire Fighting Proc: THESE PRODUCTS ARE SHIPPED AS NONHAZARDOUS,
NONFLAMMABLE, NONEXPLOSIVE & NONREACTIVE SOLID MATERIALS.
Unusual Fire And Expl Hazrds: OPEN FLAME & SPARKS CAN IGNITE COMBUSTIBLES.
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Reactivity Data

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Stability: YES
Cond To Avoid (Stability): N/K
Materials To Avoid: N/K
Hazardous Decomp Products: BRAZING FUMES & GASES.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): N/K
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Health Hazard Data

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LD50-LC50 Mixture:
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: COPPER & ZINC FUME MAY CAUSE METAL FUME
FEVER. SHORT TERM: IRRITATION OF THE THROAT. LONG TERM: PULMONARY
IRRITATION/PNEUMOCONIOSIS.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE
Signs/Symptoms Of Overexp: IRRITATION, COUGHING, SHORTNESS OF BREATH,
NAUSEA, FEVER, BODY ACHE, CHILLS, METALLIC TASTE, DRYNESS.
Med Cond Aggravated By Exp: IMPAIRED PULMONARY FUNCTIONS/ILLNESS.
Emergency/First Aid Proc: INHALATION: REMOVE TO FRESH AIR. GIVE CPR IF
NEEDED. OBTAIN MEDICAL ATTENTION IN ALL CASES.
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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: N/R
Neutralizing Agent: N/K
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Waste Disposal Method: DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.
Precautions-Handling/Storing: DON'T TOUCH LIVE ELECTRICAL PARTS. TRAIN
EMPLOYEE TO KEEP THEIR HEAD OUT OF THE FUMES.
Other Precautions: COMPOSITION/QUANTITY OF FUMES & GASES ARE DEPENDENT
UPON METAL BEING BRAZED, PROCESS, PROCEDURE & FILLER METALS USED, COATING
ON BASE METAL BEING BRAZED, NUMBER OF OPERATORS & VOLUME IN WORK AREA,
QUALITY & AMOUNT OF VENTILATION, (SEE SUPP)
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Control Measures

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Respiratory Protection: USE RESPIRABLE FUME RESPIRATOR/AIR SUPPLIED
RESPIRATOR WHEN BRAZING IN CONFINED SPACE/WHERE LOCAL EXHAUSTS/VENTILATION
DOESN'T KEEP EXPOSURE <TLVS.
Ventilation: ADEQUATE VENTILATION & LOCAL EXHAUST AT FLAME TO KEEP FUMES &
GASES <TLVS IN WORKER'S BREATHING ZONE & GENERAL AREA.
Protective Gloves: WELDER'S
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Eye Protection: SAFEETY GLASSES, GOGGLES
Other Protective Equipment: FACE SHIELD W/FILTER LENS OF APPROPRIATE SHADE
NUMBER, ARM PROTECTORS, APRONS, HATS, SHOULDER PROTECTION, DARK CLOTHING
Work Hygienic Practices: N/K
Suppl. Safety & Health Data: OTHER PRECAUTIONS CONT'D: POSITION OF
OPERATOR'S HEAD W/RESPECT TO FUME PLUME, PRESENCE OF CONTAMINANTS IN
ATMOSPHERE.

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Transportation Data
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Transportation Action Code:
Transportation Focal Point:
Trans Data Review Date:
DOT PSN Code:
DOT Symbol:
DOT Proper Shipping Name:
DOT Class:
DOT ID Number:
DOT Pack Group:
DOT Label:
DOT/DoD Exemption Number:
IMO PSN Code:
IMO Proper Shipping Name:
IMO Regulations Page Number:
IMO UN Number:
IMO UN Class:
IMO Subsidiary Risk Label:
IATA PSN Code:
IATA UN ID Number:
IATA Proper Shipping Name:
IATA UN Class:
IATA Subsidiary Risk Class:
IATA Label:
AFI PSN Code:
AFI Symbols:
AFI Prop. Shipping Name:
AFI Class:

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AFI ID Number:
AFI Pack Group:
AFI Label:
AFI Special Prov:
AFI Basic Pac Ref:
MMAC Code:
N.O.S. Shipping Name:
Additional Trans Data:

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Disposal Data
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Disposal Data Action Code:
Disposal Data Focal Point:
Disposal Data Review Date:
Rec # For This Disp Entry:
Tot Disp Entries Per NSN:
Landfill Ban Item:
Disposal Supplemental Data:
1st EPA Haz Wst Code New:
1st EPA Haz Wst Name New:
1st EPA Haz Wst Char New:

1st EPA Acute Hazard New:
2nd EPA Haz Wst Code New:
2nd EPA Haz Wst Name New:
2nd EPA Haz Wst Char New:
2nd EPA Acute Hazard New:
3rd EPA Haz Wst Code New:
3rd EPA Haz Wst Name New:
3rd EPA Haz Wst Char New:
3rd EPA Acute Hazard New:

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Label Data

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Label Required:
Technical Review Date:
Label Date:
MFR Label Number:
Label Status:
Common Name:
Chronic Hazard:
Signal Word:
Acute Health Hazard-None:
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate:
Acute Health Hazard-Severe:
Contact Hazard-None:
Contact Hazard-Slight:
Contact Hazard-Moderate:
Contact Hazard-Severe:
Fire Hazard-None:
Fire Hazard-Slight:
Fire Hazard-Moderate:
Fire Hazard-Severe:

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Reactivity Hazard-None:
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Special Hazard Precautions:
Protect Eye:
Protect Skin:
Protect Respiratory:
Label Name:
Label Street:
Label P.O. Box:
Label City:
Label State:
Label Zip Code:
Label Country:
Label Emergency Number:
Year Procured: