

HARRIS J W CO INC -- BRAZING ALLOYS (WITH CADMIUM) -- 3439-00-262-4190

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Product Identification
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Product ID: BRAZING ALLOYS (WITH CADMIUM)

MSDS Date: 11/01/1985

FSC: 3439

NIIN: 00-262-4190

MSDS Number: BHQRP

=== Responsible Party ===

Company Name: HARRIS J W CO INC

Address: 10930 DEERFIELD RD

City: CINCINNATI

State: OH

ZIP: 45242-4110

Country: US

Info Phone Num: 513-891-2000

Emergency Phone Num: 513-

891-2000

CAGE: JO820

=== Contractor Identification ===

Company Name: J. W. HARRIS CO., INC

Address: 10930 DEERFIELD RD

Box: City: CINCINNATI

State: OH

ZIP: 45242-4110

Country: US

Phone: 513-891-2000

CAGE: JO820

Company Name: J. W. HARRIS CO., INC.

Address: 10930 DEERFIELD ROAD

Box: City: CINCINNATI

State: OH

ZIP: 45242-4110

Country: US

Phone: 513-891-2000

CAGE: 27911

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Composition/Information on Ingredients
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Ingred Name: SILVER (SARA III)

CAS: 7440-22-4

RTECS #: VW3500000

Fraction by Wt:

50%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:SILVER (SARA III)
CAS:7440-22-4
RTECS #:VW3500000
Fraction by Wt: 34%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 16%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2MG/M3 FUME; 9192
EPA Rpt Qty
:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ZINC OXIDE
CAS:1314-13-2
RTECS #:ZH4810000
Other REC Limits:NONE SPECIFIED
OSHA PEL:15MG/M3 TDUST/5 FUME
ACGIH TLV:10MG/M3 TDUST; 9293

Ingred Name:CADMIUM OXIDE (SARA III)
CAS:1306-19-0
RTECS #:EV1925000
Other REC Limits:NONE SPECIFIED
OSHA PEL:SEE 1910.1027
ACGIH TLV:0.05 MG(CD)/M3; 9293

Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingred Name:TIN
CAS:7440-3

1-5
RTECS #:XP7320000
Other REC Limits:NONE SPECIFIED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9192

Ingred Name:BORON OXIDE
CAS:1303-86-2
RTECS #:ED7900000
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3; 9293

Ingred Name:FLUORIDES (F)
Other REC Limits:NONE SPECIFIED
OSHA PEL:2.5 MG/M3
ACGIH TLV:2.5 MG/M3

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:N

O OSHA:NO

Health Hazards Acute and Chronic:ACUTE-COPPER & ZINC FUME MAY CAUSE MENTAL FUME FEVER. EXPOSURE TO CADMIUM FUMES CAUSES IRRITATION OF THE NOSE & THROAT. CHRONIC-MAY CONTRIBUTE TO PULMONARY IRRITATION OR PNEUMOCONIOSIS. SEVERE EXPOSURE TO CADMIUM FUMES CAN CAUSE PULMONARY EDEMA, WHICH MAY BE FATAL. PROLONGED INHALATION MAY CAUSE LUNG OR KIDNEY DAMAGE.

Explanation of Carcinogenicity:NICKEL AND CHROMIUM ARE CONSIDERED POSSIBLE CARCINOGENS UNDER OSHA. RESPIRATORY CANCER FROM WELDING IS UNCONFIRMED.

Effects of Overexposure:FUMES MAY RESULT IN DISCOMFORT SUCH AS A METALLIC TASTE IN MOUTH, DRYNESS AND/OR IRRITATION OF THE THROAT FOLLOWED BY COUGHING, SHORTNESS OF BREATH, NAUSEA, FEVER, BODY ACHE & CHILLS.FEVER, SHORTNESS OF BREATH, FREQUENT COUGHING AND/OR CHEST PAINS MAY OCCUR FROM ACUTE EXPOSURE. TOXIC GASES CAN BE FATAL.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH IMPAIRED PULMONARY FUNCTIONS OR ILLNESS MAY HAVE SYMPT

OMS EXACERBATED BY FUME
IRRITANTS.

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First Aid Measures
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First Aid:REMOVE FROM DUST OR FUME EXPOSURE.IF BREATHING HAS STOPPED,
PERFORM ARTIFICIAL RESPIRATION. SUMMON MEDICAL AID IMMEDIATELY.

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Fire Fighting Measures
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Extinguishing Media:NONE COMBUSTIBLE,USE PROPER EXTINGUISHING MEDIA FOR
SURROUNDING FIRE.

Fire Fighting Procedures:NONE

Unusual Fire/Explosion Hazard:OPEN FLAME & SPARKS CAN IGN
ITE
COMBUSTIBLES.

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Accidental Release Measures
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Spill Release Procedures:NOT APPLICABLE.

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Handling and Storage
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Handling and Storage Precautions:NONE

Other Precautions:NONE

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Exposure Controls/Personal Protection
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Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED
RESPIRATOR WHEN BRAZING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR
VENTILATION DOES NOT
KEEP EXPOSURE BELOW TLV.

Ventilation:USE ENOUGH VENTILATION, LOCAL EXHAUST AT THE FLAME TO KEEP
THE FUMES & GASES BELOW TLV'S IN THE WORKERS BREATHING ZONE.

Protective Gloves:WELDERS LEATHER GLOVES

Eye Protection:SAFETY GLASSES/FACE SHIELD W/FILTER LENS

Other Protective Equipment:WEAR ARM PROTECTORS, APRONS, HATS, SHOULDER
PROTECTION, AS WELL AS DARK SUBSTANTIAL CLOTHING.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING OR SMOKING.
LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

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Supplemental Safety and Health

BRAZING ROD OR WIRE IS A NONHAZARDOUS SOLID AT AMBIENT TEMPERATURE.
HAZARD MAY RESULT FROM FUME GENERATED DURING BRAZING.

===== Physical/Chemical Properties =====

HCC:N1

Appearance and Odor:SOLID WIRE OR ROD. RODS MAY BE COATED WITH A
CHEMICAL FLUX (OF VARIOUS COLORS).

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
NONE

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products:BRAZING FUMES & GASES CANNOT BE
CLASSIFIED SIMPLY, DEPENDING ON THE COMPOSITION OF THE FILLER
METALS.

===== Disposal Considerations =====

Waste Disposal Methods:FOLLOW THE FEDERAL, STATE OR LOCAL REGULATIONS.

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