

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

===== Product Identification =====

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

===== Composition/Information on Ingredients =====

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 EXPOSUR E 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 C
ANCER 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.

===== First Aid Measures =====

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

===== Fire Fighting Measures =====

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.

===== Accidental Release Measures =====

Spill Release Procedures:NOT APPLICABLE.

===== Handling and Storage =====

Handling and Storage Precautions:NONE

Other Precautions:NONE

===== Exposure Controls/Personal Protection =====

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 CONTAMINATIED 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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