

JW HARRIS CO INC -- BRAZING ALLOYS (SILVER) -- 3439-01-012-6658

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

Product ID:BRAZING ALLOYS (SILVER)

MSDS Date:04/01/1990

FSC:3439

NIIN:01-012-6658

MSDS Number: BGDHG

=== Responsible Party ===

Company Name:JW HARRIS CO INC

Address:10930 DEERFIELD RD

City:CINCINNATI

State:OH

ZIP:45242

Country:US

Info Phone Num:513-891-2000

Emergency Phone Num:800-543-4536

CAGE:HO350

=== Contractor Identification ===

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

Company Name:JW HARRIS CO INC

Address:10930 DEERFIELD RD

Box:City:CINCINNATI

State:OH

ZIP:45242

Country:US

Phone:513-891-2000

CAGE:HO350

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

Ingred Name:SILVER (SARA 313) (CERCLA)

CAS:7440-22-4

RTECS #:VW3500000

Fraction by Wt: 15%

OSHA PEL:0.01 MG

/M3  
ACGIH TLV:0.1 MG/M3  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:COPPER (SARA 313) (CERCLA)  
CAS:7440-50-8  
RTECS #:GL5325000  
Fraction by Wt: 80%  
OSHA PEL:0.1MG/M3 FUME;1 DUST  
ACGIH TLV:0.2 MG/M3 FUME  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:PHOSPHOROUS (WHITE) (SARA 302/313) (CERCLA)  
CAS:7723-14-0  
RTECS #:TH3500000  
Fraction by Wt: 5%  
OSHA PEL:0.1 MG/M3  
ACGIH TLV:0.02 PPM  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:SUPDAT: OPERATOR'S HEAD W/RESPECT TO FUME PLUME, AS WELL AS  
PRESENCE OF CONTAMINANTS IN ATM (SUCH AS CHLORINATED (ING 5)  
RTECS #:9999999ZZ

Ingred Name:ING 4: HYDROCARBON VAPS FROM CLEANING & DEGREASING  
ACTIVITIES). WHEN FILLER METAL IS CONSUMED, FUME & GAS DECOMP (ING  
6)  
RTECS #:9999999ZZ

Ingred Name:ING 5: PRODS & NOT INGREDIENTS IN ROD/WIRE ARE IMPORTANT. CONC  
OF GIVEN FUME/GAS COMPONENT MAY DECR/INCR BY MANY (ING 7)  
RTECS #:9999999ZZ

Ingred Name:ING 6: TIMES THE ORIGINAL CONC IN FILLER METAL. DECOMP  
PRODS OF NORM OPERATION INCL THOSE  
ORIGINATING FROM (ING 8)  
RTECS #:9999999ZZ

Ingred Name:ING 7: VOLATILIZATION RXN OF THE WIRE.  
RTECS #:9999999ZZ

Ingred Name:VENT: EMPLOYEE TO KEEP HIS/HER HEAD OUT OF THE FUMES. SEE  
ANSI/ASC Z49.1 SECTION 5.  
RTECS #:9999999ZZ

Ingred Name:EYE PROT: & FULL LENGTH FSHLD . USE FSHLD W/FILTER LENS OF  
APPROP SHADE NUMBER (SEE ANSI/ASC Z49.1- (ING 11)  
RTECS #:9999999ZZ

Ingred Name:ING 10: SECTION 4.2). PROVIDE PROT SCREENS & FLASH GOGGLES,  
IF NEC, TO SHIELD OTHERS.  
RTECS #:9999999ZZ

Ingred Name:OTHER PROT EQUIP: INCL GLOVES & PROT FSHLD & MAY INCL ARM  
PROTECTORS, APRONS, HATS, SHOULDER PROT, AS WELL AS (ING 13)  
RTECS #:9999999ZZ

Ingred Name:ING 12: DARK SUBSTANTIAL CLOTHING.  
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:COPPER FUME MAY CAU  
SE METAL FUME

FEVER. SHORT TERM SYMPS MAY INCL METALLIC TASTE IN MOUTH, DRYNESS  
OR IRRIT OF THROAT FOLLOWED BY COUGHING, SHORTNESS OF BREATH,  
NAUSEA, FEVER, BODY ACHE & CHILLS. LONG TERM EXPOS TO WELDING  
FUME, GASES OR DUST MAY CONTRIBUTE TO PULM IRRIT OR PNEUMOCONIOSIS.  
BRAZING (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ: ALLOYS ARE FREQUENTLY USED W/FLUORIDE  
TYPE FLUX. IF APPLIC, FLUX FUME SHOULD BE CONSIDERED ONE RECO  
M WAY

TO DETERMINE COMPOSITION & QTY OF FUMES & GASES TO WHICH WORKERS  
ARE EXPOSED IS TO TA KE AIR SAMPLE IN WORKER'S BRTHG ZONE. SEE  
ANSI/AWS F1.1 AVAILABLE FROM AMERICAN WELDING SOCIETY.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH IMPAIRED PULMONARY  
FUNCTIONS OR ILLNESS MAY HAVE SYMPTOMS EXACERBATED BY FUME  
IRRITANTS.

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

First Aid:INGEST: CALL MD IMMEDIATELY . EYES: IMMEDIATELY FLUSH  
W/POTABLE

WATER FOR A MINIMUM OF 15 MINUTES, SEEK ASSISTANCE FROM  
MD . SKIN: FLUSH W/COPIOUS AMOUNTS OF WATER. CALL MD . INHAL:  
REMOVE FROM DUST OR FUME EXPOSURE. IF BREATHING HAS STOPPED,  
PERFORM ARTIFICIAL RESPIRATION. SUMMON MEDICAL AID IMMEDIATELY.

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

Flash Point:NONFLAMMABLE

Extinguishing Media:MEDIA SUITABLE FOR SURROUNDING FIRE .

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA AND FULL  
PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:OPEN FLAME AND SPARKS CAN IGNITE  
COMBUSTIBLES. SEE ANSI/ASC Z49.1-1983 SECTION 6.

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

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:READ & UNDERSTAND MANUFACTURER'S  
INSTRUCTION & PRECAUTIONARY LABEL ON PRODUCT. SEE ANS Z49.1,

"  
SAFETY IN WELDING & CUTTING."

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:USE NIOSH/MSHA APPRVD 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 VENT & LOC EXHST AT FLAME TO KEEP FUMES & GASES  
BELOW TLVS IN WORKER'S BRTHG ZONE & GEN AREA. TRAIN (ING 9)

Prote

ctive Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPRVD CHEM WORKERS GOGG (ING 10)

Other Protective Equipment:WEAR HEAD & BODY PROT WHICH HELP PVNT INJURY  
FROM HEAT, RADIA, SPK & FLAME. SEE ANSI Z49.1. AT MINIMUM THIS (ING  
12)

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

HAZ DECOMP PRODS: BRAZED, PROCESS, PROC & FILLER METALS USED. OTHER  
CNDTNS WHICH ALSO INFLUENCE COMPOSITION & QTY OF FUMES & GASES TO  
WHICH WORKERS MAY BE EXPOSED INC

L:COATINGS ON METAL BEING BRAZED (  
SUCH AS PAINT, PLATING/GALVANIZING), NUMBER OF OPERATORS & VOL OF  
WORK AREA, QUALITY & AMT OF VENT, POSITION OF (ING 4)

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

HCC:N1

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

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

Stability Indicator/Materials to Avoid:YES  
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

H

azardous Decomposition Products:BRAZING FUMES & GASES CANNOT BE  
CLASSIFIED SIMPLY. COMPOSITION & QTY OF BOTH ARE DEPENDENT ON METAL  
BEING (SUPDAT)

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL,  
STATE AND LOCAL REGULATIONS .

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