

J.W.HARRIS CO.INC. -- SAFETY-SILV 50 OR SAFETY-SILV 1425 -- 3439-00-262-4188

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

Product ID:SAFETY-SILV 50 OR SAFETY-SILV 1425

MSDS Date:12/01/1993

FSC:3439

NIIN:00-262-4188

MSDS Number: BXVPK

=== Responsible Party ===

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

Address:10930 DEERFIELD ROAD

City:CINCINNATI

State:OH

ZIP:45242

Country:US

Info Phone Num:513-891-2000

Emergency Phone

Num:513-891-2000/800-424-9300(CHEMTREC)

CAGE:27911

=== 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

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

Ingred Name:SILVER (SARA 313) (CERCLA)

CAS:7440-22-4

RTECS #:VW3500000

Fraction by Wt: 50%

Other REC Limits:ACGIH 0.01 MG SOL.AG

OSHA PEL:0.01 MG/M3

ACGIH TLV:0.1 MG/M3; 9495

EPA Rpt Qty:1 LB

D

OT Rpt Qty:1 LB

Ingred Name:COPPER (SARA 313) (CERCLA)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 34%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2 MG/M3 FUME; 9495

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ZINC OXIDE (SARA 313) (CERCLA)

CAS:1314-13-2

RTECS #:ZH4810000

Fraction by Wt: 16%

Other REC Limits:ACGIH STEL 10 MG/CUM

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9495

===== Hazards Identification =====  
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LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT RELEVANT.

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

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

Health Hazards Acute and Chronic:TARGET ORGANS:LUNGS, EYES. ACUTE-

COPPER AND ZINC FUME MAY CAUSE METAL FUME FEVER. DUST OR FUME MAY CAUSE EYES AND RESPIRATORY TRACT IRRITATION, COUGHING, SHORTNESS OF BREATH, FEVER, CHILLS, BODY ACHE . CHRONIC- LONG TERM EXPOSURE TO WELDING FUME, GASES OR DUST MAY CAUSE PNEUMOCONIOSIS

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, METAL FUME FEVER, METALLIC TASTE, DRYNESS OF THROAT, Watery Eyes, COUGHING, SHORTNESS OF BREATH, NAUSEA, FEVER, BODY ACHE, CHILLS

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING RESPIRATORY DISEASES MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE WELDING FUMES.

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

First Aid:GET MEDICAL CARE IF SYMPTOMS PERSIST. EYES:FLUSH WITH W

ATER  
FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER.  
INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. FOR  
ELECTRIC S HOCK, DISCONNECT & TURN OFF THE POWER. FOR ARC BURN  
APPLY COLD, CLEAN COMPRESSES. CALL A DOCTOR.

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

Flash Point:NONE  
Extinguishing Media:THIS ALLOY IS NONCOMBUSTIBLE. USE MEDIA APPROPRIATE  
FOR SURROUNDING FIRE.  
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING  
AND  
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:OPEN FLAME AND SPARKS CAN IGNITE  
COMBUSTIBLES.

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

Spill Release Procedures:PICK UP OR VACUUM. AVOID GENERATING DUSTS.  
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:KEEP MATERIAL AWAY FROM STRONG ACIDS.  
Other Precautions:NO FOOD OR SMOKING IN WORK AREA  
S. WASH THOROUGHLY  
AFTER HANDLING. AVOID BREATHING FUMES AND VAPORS. DO NOT GET IN  
EYES, ON SKIN OR ON CLOTHING.

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

Respiratory Protection:USE NIOSH-APPROVED RESPIRABLE FUME RESPIRATOR OR  
AIR SUPPLIED RESPIRATOR WHEN WELDING, BRAZING OR SOLDERING IN  
CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP  
EXPOSURE BELOW PEL, TL V OR STEL.  
Ventilation:LOCAL EXHAUST AT THE ARC (OR FLAME), OR BOTH, TO K  
EEP THE  
FUMES AND GASES BELOW PEL'S, TLV'S OR STEL'S IN BREATHING ZONE  
Protective Gloves:WELDER'S GLOVE  
Eye Protection:PROTECTIVE FACE SHIELD  
Other Protective Equipment:EYE WASH STATION, APRONS, HATS, ARM &  
SHOULDER PROTECTION, AS WELL AS DARK SUBSTANTIAL CLOTHING.  
Work Hygienic Practices:WEAR HEAD AND BODY PROTECTION WHICH HELP TO  
PREVENT INJURY FROM RADIATION, SPARKS AND ELECTRICAL SHOCK.  
Supplemental Safety and Health  
CADMIUM FREE PRODUCT. BRAZING FUMES AND GASES CANNOT BE CLASSIF

IED

SIMPLY. COMPOSITION AND QUANTITY OF BOTH ARE DEPENDENT UPON METAL BEING BRAZED, FILLER METALS USED, COATING ON METAL BEING BRAZED (SUCH AS PAINT, PLATING/GALVANIZING). THE QUALITY OF VENTILATION AND POSITION OF OPERATOR'S HEAD ARE ALSO IMPORTANT.

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:INSOLUBLE

Appearance and Odor:NONH

AZARDOUS, NONFLAMMABLE, NONEXPLOSIVE,  
NONREACTIVE SOLID WIRE - ODORLESS

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, STRONG BASES

Stability Condition to Avoid:MOISTURE

Hazardous Decomposition Products:METAL OXIDES, DECOMPOSITION PRODUCTS  
OF COATINGS ON METAL BEING BRAZED (SUCH AS PAINT) AND FILLER METALS

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

Waste Disposal Methods:PREVENT WAS

TE FROM CONTAMINATING SURROUNDING

ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR  
LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE  
WITH FEDERAL, STATE AND LOCAL REGULATIONS

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