

J.W.HARRIS CO.INC. -- SAFETY-SILV 35 OR SAFETY-SILV 1350 G -- 3439-00-160-3524

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Product Identification
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Product ID:SAFETY-SILV 35 OR SAFETY-SILV 1350 G

MSDS Date:12/01/1993

FSC:3439

NIIN:00-160-3524

MSDS Number: BDDFJ

=== 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

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Composition/Information on Ingredients
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Ingred Name:SILVER (SARA 313) (CERCLA)

CAS:7440-22-4

RTECS #:VW3500000

Fraction by Wt: 35%

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
DOT Rpt Qty:1 LB

Ingred Name:COPPER (SARA 313) (CERCLA)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 32%
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: 33%
Other REC Limits:ACGIH STEL 10 MG/CUM
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9495

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===== 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 PNEUMOCON
IOSIS.
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.

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

ITH WATER

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

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Fire Fighting Measures
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Flash Point:NONE

Extinguishing Media:THIS ALLOY IS NONCOMBUSTIBLE. USE MEDIA APPROPRIATE
FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTH
ING AND

NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:OPEN FLAME AND SPARKS CAN IGNITE
COMBUSTIBLES.

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Accidental Release Measures
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Spill Release Procedures:PICK UP OR VACUUM. AVOID GENERATING DUSTS.

Neutralizing Agent:NOT RELEVANT

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Handling and Storage
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Handling and Storage Precautions:KEEP MATERIAL AWAY FROM STRONG ACIDS.

Other Precautions:NO FOOD OR SMOKING IN WORK

AREAS. WASH THOROUGHLY

AFTER HANDLING. AVOID BREATHING FUMES AND VAPORS. DO NOT GET IN
EYES, ON SKIN OR ON CLOTHING.

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Exposure Controls/Personal Protection
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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, TLV OR STEL.

Ventilation:LOCAL EXHAUST AT THE ARC (OR FLAME), OR BOTH,
TO KEEP 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

FORMULA CHANGED. SEE PNI A. BRAZING FUMES & GASES CANNOT B

E CLASSIFIED

SIMPLY. COMPOSITION & 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 & 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

:NONHAZARDOUS, 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:PREVEN

T WASTE 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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