

HARRIS J W CO INC -- STAY-SILV 50N -- 3439-00-262-4192

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

Product ID:STAY-SILV 50N

MSDS Date:11/01/1985

FSC:3439

NIIN:00-262-4192

MSDS Number: BDPYQ

=== 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:800-543-4536

CAGE:JO820

=== Contra

ctor 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 SPE

CIFIED  
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: 15.5%  
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 (SARA III)  
CAS:7440-66-6  
RTECS #:ZG8600000  
Fraction by Wt: 15.5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:10 MG ZNO/M3  
ACGIH TLV:10 MG ZNO/M3; 9192  
EPA Rpt Qty:1000 LBS  
DOT R  
pt Qty:1000 LBS

Ingred Name:CADMIUM (SARA III)  
CAS:7440-43-9  
RTECS #:EU9800000  
Fraction by Wt: 16%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:SEE 1910.1027  
ACGIH TLV:0.01 MG/M3 DUST;9394  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:NICKEL (SARA III)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 3%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9192

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

LD50 LC50 Mixture:UNCLASSIFIED BRAZING FUMES=5MG

/M3 PEL

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

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

Health Hazards Acute and Chronic:EXPOSURE TO BRAZING FUMES OR GASES MAY CAUSE METAL FUME FEVER. SYMPTOMS INCLUDE NAUSEA, FEVER, DRYNESS OR IRRITATION OF THE THROAT, COUGHING, BODY ACHE AND CHILLS. LONG TERM EXPOSURE TO BRAZING FUMES, GASES OR DUST MAY CONTRIBUTE TO PULMONARY IRRITATION OR PNEUMOCONIOSIS. USE OF FLUORIDE FLUX FUMES ARE ALSO HAZARDOUS.

Explanation

of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS ALLOY ARE CONSIDERED CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:COPPER AND ZINC FUME MAY CAUSE METAL FUME FEVER. SHORT TERM SYMPTOMS MAY INCLUDE A METALLIC TASTE IN THE MOUTH, DRYNESS OR IRRITATIONS OF THE THROAT FOLLOWED BY COUGHING, SHORTNESS OF BREATH, NAUSEA, FEVER, BODY ACHE, AND CHILLS. LONG TERM EXPOSURE TO WELDING FUME, GASES OR DUST MAY CONTRIBUTE TO PULMONARY IRRITATION.

Medical Cond Aggravated

by Exposure:INDIVIDUALS WITH IMPAIRED PULMONARY FUNCTIONS OR ILLNESS MAY HAVE SYMPTOMS EXACERBATED BY FUME IRRITATIONS.

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

First Aid:REMOVE FROM DUST OR FUME EXPOSURE. IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION IMMEDIATELY. BRAZING ALLOYS ARE FREQUENTLY USED WITH A FLUORIDE TYPE FLUX. IF APPLICABLE, FLUX FUME SHOULD BE CONSIDERED IN TREATMENT.

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

Flash Point:NONE

Extinguishing Media:USE MEDIA SUCH AS WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL WHICH IS SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS.

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

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

Spill Release Procedures:CLEAN UP AND

Y GRINDING DUST OR WASTE RESIDUES  
AND PLACE IN SUITABLE DOT APPROVED CONTAINERS AND DISPOSE OF IN  
FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. AVOID  
INHALATION AND SKIN EXPOSURE.

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

Handling and Storage Precautions:WEAR GLOVES AND FLAME RETARDANT  
CLOTHING WHEN CUTTING, GRINDING OR BRAZING.  
Other Precautions:PROVIDE PROTECTIVE SCREENS TO SHIELD OTHERS. WHEN  
ELECTRODES AND FLUXES ARE CONSUMED, THE  
FUME AND GAS DECOMPOSITION  
PRODUCTS GENERATED ARE DIFFERENT IN FORM FROM THE INGREDIENTS  
LISTED. NEW COMPOUNDS NOT IN THE ELECTRODES MAY FORM.

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

Respiratory Protection:USE WELD FUME RESPIRATOR OR AIR SUPPLIED  
RESPIRATOR WHEN CUTTING, GRINDING OR BRAZING IN A CONFINED SPACE OR  
WHERE LOCAL EXHAUST OR GENERAL VENTILATION DOES NOT KEEP EXPOSURE  
BELOW RECOMMENDED LIMITS. USE ONLY NIOSH APPROVED RESPIRATORS.

Ven  
tilation:USE ENOUGH VENTILATION WHEN CUTTING, GRINDING OR BRAZING TO  
KEEP THE DUST, FUMES & GASES FROM THE WORKERS BREATHING ZONE  
Protective Gloves:WELDERS LEATHER GLOVES  
Eye Protection:OSHA APPROVED GOGGLES/FACE SHIELD W/LENS  
Other Protective Equipment:DARK FLAME RETARDANT CLOTHING WHEN CUTTING,  
GRINDING OR BRAZING INCLUDING ARM & SHOULDER PROTECTORS, APRON, AND  
HAT.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING, DRINKING OR  
SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE  
REUSE.

Supplemental Safety and Health  
BRAZING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. THEIR COMPOSITION  
AND QUANTITY ARE DEPENDENT ON THE METAL BEING WELDED, THE  
PROCEDURES, PROCESSES AND THE TYPE OF WIRE OR ELECTRODES USED.  
OTHER INFLUENCING FACTORS ARE THE PRESENCE OF CONTAMINANTS.  
CHLORINATED SOLVENTS AND FLUORIDE FLUXES MAY DECOMPOSE TO TOXIC  
GASES.

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

HCC:N1  
Vapor Pres:0  
Vapor Density:0  
Evaporation

Rate & Reference:0  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:WIRE ALLOY  
Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS

Hazardous Decomposition Products:BRAZING FUMES AND GASES CANNOT BE CLASSIFIED SIMPLY. THE DECOMPOSITON PRODUCTS ARE DIFFERENT FROM THE ROD INGREDIENTS.

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

Waste Disposal Methods:DISPOS

E OF IN ACCORDANCE WITH FEDERAL, STATE & LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.