

HARRIS J W CO INC -- STAY SILV BLACK BRAZING FLUX -- 3439-00-220-3825

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

Product ID:STAY SILV BLACK BRAZING FLUX

MSDS Date:03/01/1993

FSC:3439

NIIN:00-220-3825

MSDS Number: BXYSB

=== 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:513-89

1-2000/800-424-9300(CHEMTREC)

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:POTASSIUM BORATE

CAS:1332-77-0

Other REC Limi

ts:NONE RECOMMENDED

Ingred Name:POTASSIUM PENTABORATE
CAS:11128-29-3
Other REC Limits:NONE RECOMMENDED

Ingred Name:BORIC ACID
CAS:10043-35-3
RTECS #:ED4550000
Fraction by Wt: 30-50%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG BORATES/M3
ACGIH TLV:5 MG BORATES/M3

Ingred Name:POTASSIUM HYDROGEN FLUORIDE
CAS:7789-29-9
RTECS #:TS6650000
Fraction by Wt: 25-40%
Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 15-25%
Other REC Limits:NONE RECOMMENDED

Ingred Name:C.W.A. IS A COPPER WETTING AGENT FOR STAY SILV POWDERED
FLUX ONLY
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:POSSIBLE EFFECTS OF EXPOSURE-FUMES ARE
IRRITATING TO SKIN, EYES AND THE RESPIRATORY TRACT. FLUXES ARE USED
WITH BRAZING FILLER METALS. WHEN MELTED, THESE
FILLER METALS MAY
PRODUCE FUMES WHICH ARE HAZARDOUS. FILLER METAL MAY CONTAIN
CADMIUM. FUME GENERATED DURING BRAZING WITH CADMIUM ALLOY MAY BE
TOXIC.
Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER.
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:REMOVE FROM FUME EXPOSURE. IF BREATHING HAS STOPPED PERFORM
ARTIF

ICIAL RESPIRATION. IF SWALLOWED, INDUCE VOMITING. FOR SKIN CONTACT, WASH WITH WATER. FOR EYE CONTACT, IMMEDIATELY FLUSH EYES FOR 15 MINUTES WITH PLENTY OF WATER. GET MEDICAL AID IMMEDIATELY.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.

Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.

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

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

Spill Release Procedures:LARGE SPILLS SHOULD BE NEUTRALIZED WITH A SLAKED LIME-SODA ASH SLURRY.

Neutralizing Agent:SLAKED LIME-SODA ASH SLURRY.

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

Handling and Storage Precautions:THESE PRODUCTS ARE SHIPPED AS NONHAZARDOUS, NONFLAMMABLE, NON-EXPLOSIVE AND NON REACTIVE SOLID MATERIALS.

Other Precautions:ONE RECOMMENDED WAY TO DETERMINE THE COMPOSITION AND QUANTITY OF FUMES AND GASES TO WHICH WORKERS ARE EXPOSED IS TO TAKE AN AIR SAMPLE IN THE WORKERS' BREATHING ZONE.

===== 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 TO KEEP THE FUMES BELOW TLV'S IN THE WORKERS BREATHING ZONE.

Protective

Gloves:WELDER'S GLOVES

Eye Protection:HELMET/FACE SHIELD

Other Protective Equipment:WEAR HEAD & BODY PROTECTION WHICH HELP TO PREVENT INJURY FROM RADIATION, SPARKS & FLAMES (HATS, SHOULDER PROTECTION.. .)

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

THE FUME DECOMPOSITION PRODUCTS GENERATED MAY BE DIFFERENT IN PERCENT AND FORM FROM THE INGREDIENTS LISTED.

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

HCC

:N1
Spec Gravity:1.66
Solubility in Water:MODERATE
Appearance and Odor:SMOOTH BLACK PASTE WITH NO ODOR

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

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.
Stability Condition to Avoid:OPEN FLAMES AND SPARKS CAN IGNITE
COMBUSTIBLES.
Hazardous Decomposition Products:BRAZING FUMES CANNOT BE CLASSIFIED
SIMPLY. DEPENDS ON METAL BEING BRAZED, FILLER METAL USED, COATINGS
ON THE METALS ETC.

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

Waste Disposal Methods:FOLLOW FEDERAL, STATE AND 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.