

HARRIS J W CO INC -- 404 ALUMINUM ARC WELDING ELECTRODE -- 3439-00-165-4177

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

Product ID:404 ALUMINUM ARC WELDING ELECTRODE

MSDS Date:07/01/1991

FSC:3439

NIIN:00-165-4177

MSDS Number: BPBRY

=== 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 Ph

one Num:800-424-9300

Preparer's Name:KURT CARTHUSER

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:ALUMINUM (SARA III)

CA

S:7429-90-5
RTECS #:BD0330000
Fraction by Wt: BALANCE
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15MG/M3 DUST/5 FUME
ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
Fraction by Wt: 5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:ALUMINUM FLUORIDE
CAS:7784-18-1
RTECS #:BD0725000
Fraction by Wt: 1-11%
Other REC Limits:NONE RECOMMENDED

Ingred Name:LITHIUM FLUORIDE
CAS:7789-24-4
RTECS #:OJ6125000
Fraction by
Wt: 1-11%
Other REC Limits:NONE RECOMMENDED

Ingred Name:MAGNESIUM FLUORIDE
CAS:7783-40-6
RTECS #:OM3325000
Fraction by Wt: 1-11%
Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM CHLORIDE
CAS:7447-40-7
RTECS #:TS8050000
Fraction by Wt: 1-11%
Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM FLUORIDE
CAS:7789-23-3
RTECS #:TT0700000
Fraction by Wt: 2-11%
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM CHLORIDE
CAS:7647-14-5
RTECS #:VZ4725000
Fraction by Wt: 1-11%
Other REC Lim

its:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:LONG TERM EXPOSURE TO WELDING FUME,
GASES OR DUST MAY CONTRIBUTE TO PULMONARY IRRITATION OR
PNEUMOCONIOSIS. REPEATED OR PROLONGED CONTACT MAY IRRITATE THE
SKIN.

Effects of Overexposure:SHORT TERM EXPOSURES MAY CAUSE DRYNESS OR
IRRITATIONS OF THE THRO
AT FOLLOWED BY COUGHING, SHORTNESS OF
BREATH, NAUSEA, FEVER, BODY ACHE, AND CHILLS. INHALATION OF FUMES
MAY CAUSE HEADACHE, NAUSEA, AN D IRRITATION OF THE NOSE, THROAT,
AND LUNGS.

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

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

First Aid:REMOVE FROM DUST OR FUME EXPOSURE. IF BREATHING HAS STOPPED,
PERFORM ART
IFICIAL RESPIRATION. SUMMON MEDICAL AID IMMEDIATELY.

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

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.
Other Precautions:NONE

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

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR-SUPPLIED
RESPIRATOR W

HEN BRAZING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR
VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:USE ENOUGH VENTILATION AND LOCAL EXHAUST AT THE FLAME OR
ARC TO KEEP THE FUMES AND GASES BELOW TLV'S IN THE WORKPLACE.

Protective Gloves:WELDER'S GLOVES.

Eye Protection:WEAR SAFETY GLASSES, GOGGLES, FACESHIELD

Other Protective Equipment:WEAR HEAD AND BODY PROTECTION WHICH HELP TO
PREVENT INJURY FROM RADIATION, SPARKS, AND FUMES.

Work Hygienic Practices:NONE SPECIFIED BY M

ANUFACTURER.
Supplemental Safety and Health
NONE

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

HCC:N1

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

Stability Indicator/Materials to Avoid: YES
NONE SPECIFIED BY MANUFACTURER.
Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products: WELDING AND BRAZING FUMES AND GASES
CANNOT BE CLASSIFIED SIMPLY.

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

===

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND
FEDERAL 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.