

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 Pho

ne 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)

CAS

: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 Limi

ts: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 THROAT
T 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 ARTI
FICIAL 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 WH
EN 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 MA

NUFACTURER.
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 =====

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

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