

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, AND 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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