

HARRIS J W CO INC -- 718 (4047),ALUMINUM WELDING WIRE AND ROD -- 3439-00-262-4175  
===== Product Identification =====

Product ID:718 (4047),ALUMINUM WELDING WIRE AND ROD

MSDS Date:06/01/1992

FSC:3439

NIIN:00-262-4175

MSDS Number: BRRJT

=== 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

E

mergency Phone Num:800-424-9300(CHEMTREC)

Preparer's Name:KARL T. L???

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:SILI

CON  
CAS:7440-21-3  
RTECS #:VW0400000  
Fraction by Wt: 11 - 13%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:IRON  
CAS:7439-89-6  
RTECS #:NO4565500  
Fraction by Wt: 0.8%  
Other REC Limits:NONE SPECIFIED

Ingred Name:COPPER (SARA III)  
CAS:7440-50-8  
RTECS #:GL5325000  
Fraction by Wt: 0.30%  
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:MANGANESE (SARA I  
II)  
CAS:7439-96-5  
RTECS #:OO9275000  
Fraction by Wt: 0.15%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:(C) 5 MG/M3 DUST  
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:ZINC OXIDE  
CAS:1314-13-2  
RTECS #:ZH4810000  
Fraction by Wt: 0.2%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15MG/M3 TDUST/5 FUME  
ACGIH TLV:10MG/M3 TDUST; 9293

Ingred Name:MAGNESIUM  
CAS:7439-95-4  
RTECS #:OM2100000  
Fraction by Wt: 0.10%  
Other REC Limits:NONE SPECIFIED

Ingred Name:ALUMINUM (SARA III)  
CAS:7429-90-5  
RTECS #:BD0330000  
Fraction by

Wt: 85.4-87%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15MG/M3 DUST/5 FUME  
ACGIH TLV:10MG/M3 DUST; 9192

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:THIS PRODUCT IS HAZARDOUS ONLY IN THE  
FORM OF WELDING FUMES.INHAL:MAY CAUSE PULMONARY IRRITATION,LUNG  
DISEASE OR SIDEROSIS(FROM IRON FUMES).COPPER FUMES MAY CAUSE METAL  
FUM  
E FEVER.  
Explanation of Carcinogenicity:NO DATA  
Effects of Overexposure:INHAL:DISCOMFORT,DIZZINESS, NAUSEA,DRYNESS OR  
IRRITATION OF THE THROAT.METAL FUME FEVER:FEVER,BODY ACHE,CHILLS.  
Medical Cond Aggravated by Exposure:PERSONS WITH IMPAIRED PULMONARY  
FUNCTION, AIRWAY DISEASES AND CONDITIONS SUCH AS ASTHMA, EMPHYSEMA,  
CHRONIC BRONCHITIS, ETC... CAN BE AGGRAVATED BY THE EXPOSURE.

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First Aid Measures  
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First Aid:GET MEDICAL ATTENTION IN  
ALL CASES.INHALED: REMOVE TO FRESH  
AIR.PROVIDE ARTIFICIAL RESPIRATION OR OXYGEN IF  
NECESSARY.EYES:FLUSH WITH WATER FOR 15 MINUTES HOLDING EYELIDS  
OPEN.SKIN:WASH WITH SOAP & WA TER.INGEST:GET MEDICAL HELP.

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Fire Fighting Measures  
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Flash Point:NONE  
Extinguishing Media:CLASS "D" DRY CHEMICAL. DO NOT USE WATER. WATER MAY  
REACT WITH BURNING ALUMINUM VIOLENTLY.  
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH  
APPROVED SE  
LF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE  
OPERATED IN THE POSITIVE PRESSURE MODE.  
Unusual Fire/Explosion Hazard:MOLTEN METAL ALLOYS MAY EXPLODE ON  
CONTACT WITH WATER. RUST AND CERTAIN METAL OXIDES (OXIDES OF  
COPPER,IRON) MAY ALSO REACT VIOLENTLY WITH WATER.

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Accidental Release Measures  
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Spill Release Procedures:NO SPECIAL REQUIREMENTS.  
Neutralizing Agent:NONE

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Handling and Storage  
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Handl

ing and Storage Precautions:STORAGE-STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM MOISTURE, ACIDS & FLAMES.

Other Precautions:AVOID BREATHING OF FUMES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING AND DRINKING.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED SUPPLIED AIR RESPIRATORY PROTECTION OR RESPIRABLE FUME RESPIRATOR WHEN WELDING, BRAZING OR SOLDERING IN CONFINED

SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:LOCAL EXHAUST VENTILATION SHOULD BE USED TO CONTROL EXPOSURE TO AIRBORNE FUMES WHENEVER POSSIBLE.

Protective Gloves:FLAME-PROOF WELDING GLOVES

Eye Protection:SAFETY GLASSES UNDER WELDING HELMET

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER, WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE P/N B UNDER THE SAME NSN.

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

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:SOLID WIRE - ODORLESS

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

Stability Indicator/Materials to Avoid:YES  
STRONG ACIDS

Stability Condition to Avoid:FLAMES

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, OZONE

AND NITROGEN OXIDES MAY BE FORMED BY THE RADIATION FROM THE ARC DURING WELDING.

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

Waste Disposal Methods:PRIOR TO DISPOSAL, CONSIDER IF MATERIAL HAS RECOVERY VALUE. DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. PREVENT WASTE FROM CONTAMINATING ENVIRONMENT.

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ion by the compiling agencies):

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