

HARRIS J W CO INC -- 718 (4047) H 1286,ALUMINUM WELDING WIRE AND -- 3439-00-262-4175
===== Product Identification =====

Product ID:718 (4047) H 1286,ALUMINUM WELDING WIRE AND

MSDS Date:05/01/1991

FSC:3439

NIIN:00-262-4175

MSDS Number: BMDPL

=== 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:800-733-4043

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:SILICON

CAS:7440-21-3

RTECS #:VW04000

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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 III)

CAS:7439-96-5

RTECS #:OO927

5000

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: 0.20%

Other REC Limits:NONE SPECIFIED

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

===== 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:ACUTE-FUMES CAN CAUSE
IRRITATION,DIZZINESS,WATERY EYES,HEADACHE,NAUSEA,BREATHING
DIFFICULTY,COUGHING,CHEST PAINS.COPPER FUMES MAY CAUSE METAL FUME
FEVER WHICH MAY INCLUDE FEVER,BODY ACHE,CHILLS.ARC RAY
S CAN INJURE
EYES & BURN SKIN.ELECTRICSHOCK CAN KILL.IR RADIATION CAN INJURE
EYES.CHRONIC-SIDEROSIS/LUNG DISEASES.
Effects of Overexposure:FUMES CAN CAUSE IRRITATION, DIZZINESS, WATERY
EYES, HEADACHE, NAUSEA, BREATHING DIFFICULTY, COUGHING, CHEST
PAINS. COPPER FUMES MAY CAUSE METAL FUME FEVER WHICH MAY INCLUDE
FEVER, BODY ACHE, CHILLS. A RC RAYS CAN INJURE EYES & BURN SKIN.
ELECTRIC SHOCK CAN KILL. IR RADIATION CAN INJURE EYES.
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.

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

First Aid:GET MEDICAL ATTENTION IN ALL CASES.INHALED:REMOVE TO FRESH
AIR.PROVIDE CPR/OXYGEN IF NECESSARY.EYES:FLUSH WITH WATER FOR 15
MINUTES HOLDING EYELIDS OPEN.SKIN:WASH WITH SOAP & WATER.ORAL:GET
MEDICAL HE LP.

===== Fire Fighting Me
asures =====

Flash Point:NONFLAMMABLE
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 SELF-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 A

LSO REACT VIOLENTLY WITH WATER.

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

Spill Release Procedures:IN SOLID FORM THIS MATERIAL POSES NO SPECIAL CLEAN-UP PROBLEMS.

Neutralizing Agent:NOT APPLICABLE.

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

Handling 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.

===== 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 A UNDER THE SAME NSN.

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

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HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:SOLID WIRE - ODORLESS

===== 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.

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

Waste Disposal M

ethods: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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