

HARRIS J W CO INC -- 4043 H 1277 ALUMINUM WELDING WIRE AND ROD -- 3439-00-803-9496
===== Product Identification =====

Product ID:4043 H 1277 ALUMINUM WELDING WIRE AND ROD
MSDS Date:06/01/1992
FSC:3439
NIIN:00-803-9496
MSDS Number: BMDSL
=== 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 #:VW0400000
F

fraction by Wt: 4.5-6.0%
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; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000

Fraction by Wt: 0.05%
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: 0.10%
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: 0.05%
Other REC Limits:NONE SPECIFIED

Ingred Name:TITANIUM, METAL
CAS:7440-32-6
RTECS #:XR1700000
Fraction by Wt: 0.20%
Other REC Limits:NONE SPECIFI

ED

Ingred Name:ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: BALANCE

Other REC Limits:NONE SPECIFIED

OSHA PEL:15MG/M3 DUST/5 FUME

ACGIH TLV:10MG/M3 DUST; 9293

=====
===== 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,COU

GHING,CHEST PAINS. COPPER FUMES MAY CAUSE METAL FUME

FEVER WHICH MAY INCLUDE FEVER,BODY ACHE, CHILLS.ARC RAYS CAN
INJURE EYES & BURN SKIN.ELECTRIC SHOCK CAN KILL.IR RADIATION CAN
INJURE EYES.CHRONIC-SIDEROSIS/LUNG DISEASES.

Explanation of Carcinogenicity:NONE

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:FL

USH WITH WATER FOR 15

MINUTES HOLDING EYELIDS OPEN.SKIN:WASH WITH SOAP & WATER.ORAL:GET
MEDICAL H ELP.

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

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 ALSO 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 I

N 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 Sa

fety and Health

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

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

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 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.

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.