

J W HARRIS CO INC -- BARE WIRE OR ROD,MIL-308 -- 3439-00-995-9721

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Product Identification  
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Product ID:BARE WIRE OR ROD,MIL-308  
MSDS Date:06/01/1992  
FSC:3439  
NIIN:00-995-9721  
MSDS Number: BRSTZ  
=== Responsible Party ===  
Company Name:J W HARRIS CO INC  
Address:10930 DEERFIELD RD  
City:CINCINNATI  
State:OH  
ZIP:45242  
Country:US  
Info Phone Num:513-891-2000  
Emergency Phone Num:513-891-2000,800-42  
4-9300(CHEMTREC)  
CAGE:FO309

=== Contractor Identification ===  
Company Name:J W HARRIS CO INC  
Address:10930 DEERFIELD RD  
City:CINCINNATI  
State:OH  
ZIP:45242  
Country:US  
Phone:513-891-2000  
CAGE:FO309  
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

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Composition/Information on Ingredients  
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Ingred Name:CARBON  
CAS:1333-86-4  
RTECS #:FF5800000  
Fraction by Wt: .03-.08%  
Other R

EC Limits:NONE SPECIFIED  
OSHA PEL:3.5 MG/M3  
ACGIH TLV:3.5 MG/M3 9293

Ingred Name:CHROMIUM (IV)  
CAS:7440-47-3  
RTECS #:GB4200000  
Fraction by Wt: 18-22%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.5 MG/M3  
ACGIH TLV:0.05 MG/M3 9293  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:NICKEL (SOLUBLE)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 9-12%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.1 MG/M3  
ACGIH TLV:0.1 MG/M3 9293

Ingred Name:MOLYBDENUM (SOLUBLE)  
CAS:7439-98-7  
RTECS #:QA4680000  
Fraction  
by Wt: 0.75-3%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3; 9293

Ingred Name:MANGANESE  
CAS:7439-96-5  
RTECS #:OO9275000  
Fraction by Wt: 1-2.5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:(C) 5 MG/M3 DUST  
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:SILICON  
CAS:60676-86-0  
RTECS #:VV7328000  
Fraction by Wt: .30-1%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:SEE TABLE Z3  
ACGIH TLV:0.1 MG/M3 RDUST;9293

Ingred Name:COPPER  
CAS:7440-50-8  
RTECS #:GL5325000  
Fraction by Wt: 0.75%  
Othe

r REC Limits:NONE SPECIFIED  
OSHA PEL:0.1 MG/M3 (FUME)  
ACGIH TLV:0.2 MG/M3 (FUME)9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:IRON  
CAS:7439-89-6  
RTECS #:NO4565500  
Fraction by Wt: BALANCE  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:10 MG/M3 (FUME)  
ACGIH TLV:5 MG/M3 (FUME) 9293

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===== Hazards Identification =====  
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES  
IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:PRODUCT AS SHIPPED IS NONHAZARDOUS.  
EXPOSURE TO WELDING FUME MAY RESULT IN DISCOMFORT, DIZZINESS,  
NAUSEA, DRYNESS OR IRRITATION OF THE THROAT, PULMONARY IRRITATION,  
PNEUMOCONIOSIS, METAL FUME FEVER, B ODY ACHE, CHILLS, COUGHING,  
SIDEROSIS. ARC RAYS CAN INJURE EYES AND BURN SKIN. ELECTRIC SHOCK  
CAN KILL.  
Effects of Overexposure:EYES: INJURY. SKIN: BURNS. INHALATION:  
DISCOMFORT, DIZZINESS, NAUSEA, DRYNESS OR IRRITATION O  
F THROAT,  
PULMONARY IRRITATION, PNEUMOCONIOSIS, SIDEROSIS, METAL FUME FEVER,  
BODY ACHE, CHILLS. INGESTION: NOT A LIKELY SOURCE OF EXPOSURE.  
Medical Cond Aggravated by Exposure:PERSON WITH PRE-EXISTING DISEASE  
INVOLVING THE EYES, SKIN, OR RESPIRATORY TRACT MAY BE AT INCREASED  
RISK FROM EXPOSURE TO WELDING FUMES, RAYS, WELDING ARCS, AND HEAT  
FROM WELDING OPERATION.

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===== First Aid Measures =====  
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First Aid:EYES: GET MEDICAL ATTENTION. SKI  
N: GET MEDICAL ATTENTION.  
INHALATION: REMOVE FROM DUST OR FUME EXPOSURE TO FRESH AIR. IF NOT  
BREATHING, GIVE CPR. IF BREATHING DIFFICULT, GIVE OXYGEN. GET  
MEDICAL ATTEN TION. INGESTION: NOT A LIKELY SOURCE OF EXPOSURE.

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===== Fire Fighting Measures =====  
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Extinguishing Media:NONFLAMMABLE. WELDING ARC, OPEN FLAME AND SPARKS  
MAY IGNITE SURROUNDING COMBUSTABLE MATERIALS.  
Fire Fighting Procedures:USE PROCEDURES APPROPRIATE FOR SURROUNDING  
FIRE.  
Un

usual Fire/Explosion Hazard:NONFLAMMABLE. WELDING ARC, OPEN FLAME AND SPARKS CAN IGNITE SURROUNDING COMBUSTIBLE MATERIALS.

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

Spill Release Procedures:SWEEP UP OR SCOOP UP ANY GRINDING DUST OR WASTE OR WASTE RESIDUE AND PLACE IN APPROPRIATE DISPOSAL CONTAINER. AVOID GENERATING AIRBORNE DUST.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handlin

g and Storage Precautions:STORE WELDING RODS IN A DRY AREA. USE ADEQUATE VENTILATION TO CLEAR WELDING FUMES.

Other Precautions:TRAIN WELDER TO KEEP HIS HEAD OUT OF WELDING FUMES. MONITOR AIR TO INSURE ACCEPTABLE EXPOSURES. AVOID ELECTRICAL SHOCK BY MAINTAINING DRY WORK AREA.

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

Respiratory Protection:USE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING, BRAZING OR SOLERING IN CONFINED SPACE OR WHERE LOCAL

EXHAUST OR MECHANICAL (GENERAL) VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:USE ADEQUATE MECHANICAL (GENERAL) VENTILATION AND LOCAL EXHAUST VENTILATION AT THE WELDING ARC POSITION.

Protective Gloves:USE WELDER'S GLOVES WHEN WELDING.

Eye Protection:USE HELMET/FACE SHIELD WITH FILTER LENS.

Other Protective Equipment:DARK CLOTHING, ARM PROTECTORS, APRON, HAT, SHOULDER PROTECTION TO PREVENT INJURY FROM RADIATION,SPARKS,ELECTRICAL SHOCK.

Work Hygienic Practices:WASH A  
FTER HANDLING AND BEFORE EATING,  
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

WELDING ELECTRODE OR WIRE IS A NONHAZARDOUS SOLID AT AMBIENT TEMPERATURE. HAZARDS MAY RESULT FROM FUME GENERATED DURING WELDING. SOME STUDIES HAVE SHOWN A HIGHER LEVEL OF LUNG RELATED PROBLEMS AMOUNG OLDER WELDERS WHO SMOKED THAN THOSE WHODID NOT SMOKE.

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

HCC:N1

Appearance and Odor:B

ARE WIRE. 0.0625 IN. DIA X 36 IN. LONG.

===== 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  
INCLUDING CARBON MONOXIDE, CARBON DIOXIDE, OZONE, OXIDES OF METALS  
AND OF NITROGEN.

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

Waste Disposal Methods:

DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE  
AND FEDERAL REGULATIONS.

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