

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

=====  
Product Identification  
=====

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

=====  
Composition/Information on Ingredients  
=====

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

=====  
===== Hazards Identification =====

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.

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

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.

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

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.

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.