

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:513-891-2000,800-4

24-9300(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

REC 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%
Oth

er 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 =====

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 OF 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 =====

First Aid:EYES: GET MEDICAL ATTENTION. SK

IN: 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 =====

Extinguishing Media:NONFLAMMABLE. WELDING ARC, OPEN FLAME AND SPARKS MAY IGNITE SURROUNDING COMBUSTABLE MATERIALS.

Fire Fighting Procedures:USE PROCEDURES APPROPRIATE FOR SURROUNDING FIRE.

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Unusual 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 =====

Handling

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 AFTER 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:

BARE 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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