

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.