

HARRIS J W CO INC -- BARE ROD OR WIRE -- 3439-00-262-2673

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Product Identification
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Product ID:BARE ROD OR WIRE

MSDS Date:05/01/1991

FSC:3439

NIIN:00-262-2673

MSDS Number: BLHGR

=== 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:800-424-9300

CAGE:JO820

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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

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Composition/Information on Ingredients
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Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Fraction by Wt: 0 - 13%

Other REC Limits:NONE SPEC

IFIED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:IRON
CAS:7439-89-6
RTECS #:NO4565500
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3
ACGIH TLV:10 MG/M3 AS FE2O3

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2MG/M3 FUME; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Other REC Limits:NONE SPECIFIED
OSHA PEL:(C) 5
MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:MAGNESIUM
CAS:7439-95-4
RTECS #:OM2100000
Fraction by Wt: 0 - 5.5%
Other REC Limits:5 MG/M3 CEILING MFR

Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ZINC OXIDE
CAS:1314-13-2
RTECS #:ZH4810000
Fraction by Wt: 0 - .25%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15MG/M3 TDUST/5 FUME
ACGIH TLV:10MG/M3 TDUST; 9

Ingred Name:TITANIUM, METAL
 CAS:7440-32-6
 RTECS #:XR1700000
 Other REC Limits:NONE SPECIFIED

Ingred Name:COBALT (SARA III)
 CAS:7440-48-4
 RTECS #:GF8750000
 Other REC Limits:NONE SPECIFIED
 OSHA PEL:0.1 MG/M3;AS CO
 ACGIH TLV:0.05 MG/M3;DUST 9293

Ingred Name:ALUMINUM (SARA III)
 CAS:7429-90-5
 RTECS #:BD0330000
 Other REC Limits:NONE SPECIFIED
 OSHA PEL:15MG/M3 DUST/5 FUME
 ACGIH TLV:10MG/M3 DUST; 9192

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

LD50 LC50 Mixture:TLV (A
 LUMINUM) 10 MG/M3
 Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
 Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
 Health Hazards Acute and Chronic:CENTRAL NERVOUS SYSTEM DISTURBANCES,
 RESPIRATORY TRACT IRRITATION, PULMONARY IRRITATION, PNEUMOCONIOSIS,
 SIDEROSIS, MEYAL FUME FEVER, ARC RAYS FROM ELECTRIC OPERATIONS CAN
 INJURE EYES AND BURN SKIN. E LECTRIC SHOCK FROM ARC WELDING
 EQUIPMENT CAN KILL. HEAT RAYS CAN INJURE EYES.
 Explanation of Carcinogenicity:CHROMIUM I
 S CONSIDERED TO BE A POSSIBLE
 CARCINOGEN.
 Effects of Overexposure:DISCOMFORT, DIZZINESS, NAUSEA, DRYNESS OF
 THROAT, FEVER, BODY ACHE, CHILLS.
 Medical Cond Aggravated by Exposure:INDIVIDUALS WITH IMPAIRED PULMONARY
 FUNCTIONS OR ILLNESS MAY HAVE SYMPTOMS EXACERBATED BY FUME
 IRRITANTS.

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

First Aid:REMOVE FROM DUST OR FUME EXPOSURE. IF BREATHING HAS STOPPED,
 PERFORM ARTIFICIAL RESPIRATION. SUMMON MEDICAL AID IMM

EDIATELY.

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

Flash Point:NONFLAMMABLE

Lower Limits:NONFLAMMABLE

Upper Limits:NONFLAMMABLE

Extinguishing Media:NONFLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:NONFLAMMABLE. USE PROCEDURES SUITABLE FOR SURROUNDING FIRE.

Unusual Fire/Explosion Hazard:WELDING ARC, OPEN FLAME AND SPARKS CAN IGNITE COMBUSTIBLES.

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

Neutralizi

ng Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:WELDING AND BRAZING FUMES AND GASES CANNOT BE CLASSIFIED SIMPLY. THE COMPOSITION AND QUANTITY ARE DEPENDENT ON THE METAL BEING BRAZED, THE PROCESS, PROCEDURES,FILLER METALS, COATINGS ON THE METAL, NUM BER OF WELDERS, WORKSPACE, VENTILATION.

===== Exposure Controls/Personal Protection

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Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING, BRAZING OR SOLDERING IN CONFINED SPACE OF WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW THE TLV.

Ventilation:USE ENOUGH VENTILATION AND LOCAL EXHAUST AT THE FLAME OR ARC TO KEEP THE FUMES AND GASES OUT OF BREATHING ZONE.

Protective Gloves:WELDER'S GLOVES

Eye Protection:WELDING HELMET

Other Protective Equipment:PROTECTION SCREENS, FLASH GOGGLE, ARM

PROTECTORS, APRONS, HATS, SHOULDER PROTECTION, AS WELL AS DARK
SUBSTANTIAL CLOTHING

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLIN PRODUCT
AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

THE CONCENTRATION OF A GIVEN FUME OR GAS COMPONENT MAY DECREASE OR
INCREASE BY MANY TIMES THE ORIGINAL CONCENTRATION IN THE FILLER
METAL. ALSO, NEW COMPOUNDS MAY FORM. ACTUAL EXPOSURE SHOULD BE
DETERM INED BY MONITORING FUME IN THE OPERATORS BREATHING ZON
E.

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

HCC:N1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:SOLID

Vapor Density:SOLID

Spec Gravity:NOT GIVEN

Evaporation Rate & Reference:NIL

Solubility in Water:NEGLIGIBLE

Appearance and Odor:SOLID WIRE

Percent Volatiles by Volume:0 %

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Cond

ition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:THE COMPOSITION & QUANTITY OF FUMES
AND GASES ARE DEPENDENT UPON THE METAL BEING WELDED, THE PROCESS
AND FILLER METALS.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE
STATE, LOCAL AND FEDERAL REGULATIONS.

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