

J W HARRIS CO INC -- 5556 BARE ROD OR WIRE -- 3439-00-803-9495

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Product Identification
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Product ID:5556 BARE ROD OR WIRE

MSDS Date:05/01/1991

FSC:3439

NIIN:00-803-9495

MSDS Number: BGVYN

=== Responsible Party ===

Company Name:J W HARRIS CO INC

Address:10930 DEERFIELD ROAD

City:CINCINNATI

State:OH

ZIP:45242

Info Phone Num:(513) 891-2000

Emergency Phone Num:(800) 424-9300

CAGE:FO309

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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:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Fraction by Wt: 25%

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3

TDUST; 9293

Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

Fraction by Wt: 40%

OSHA PEL:10 MG/CUM

ACGIH TLV:5 MG/CUM

Ingred Name:COPPER (DUST & MIST), BRONZE POWDER

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 10%

Other REC Limits:1 MG(CU)/M3 (DUST)

OSHA PEL:0.1 MG(CU)/M3 (FUME)

ACGIH TLV:0.2 MG/M3 (FUME)

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:MANGANESE, MN COMPOUNDS

CAS:7439-96-5

RTECS #:OO9275000

Fraction by Wt: 1-50%

OSHA PEL:(C) 5 MG/M3 DUST

ACGIH TLV:5 MG/M3 DUST 929

3

Ingred Name:MAGNESIUM

CAS:7439-95-4

RTECS #:OM2100000

Fraction by Wt: 4.7-5.5%

Ingred Name:CHROMIUM METAL, CHROMIUM, CHROME (SUSPECTED A1 HUMAN
CARCINOGEN BY IARC, NTP & ACGIH)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 5-20%

OSHA PEL:1 MG/CUM

ACGIH TLV:0.5 MG/CUM

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:ZINC OXIDE

CAS:1314-13-2

RTECS #:ZH4810000

Fraction by Wt: 25%

OSHA PEL:15MG/M3 TDUST/5 FUME

ACGIH TLV:10MG/M3 TDUST; 9293

Ingred Name:TITANIUM (DRY POWDER) (TI)

CAS:7440-32-

6

RTECS #:XR1700000

Fraction by Wt: 5-20%

Ingred Name:ALUMINUM (POWDER)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: BALANCE

OSHA PEL:15 MG/CUM

ACGIH TLV:10 MG/CUM (DUST)

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:INHALATION: DISCOMFORT, DIZZINESS,
NAUSEA, DRYNESS, THROAT IRRITATION, PULMONARY IRRITATION,
PNEUMOC
ONIOSIS, BENIGN SIDEROSIS, FEVER, BODY ACHE, & CHILLS.
EYES/SKIN: ARC RAYS FROM ELECTRIC OPERATIONS CAN RESULT IN INJURY.
Explanation of Carcinogenicity:CHROMIUM IS A SUSPECTED A1 HUMAN
CARCINOGEN BY ACGIH.
Effects of Overexposure:INHALATION: DISCOMFORT, DIZZINESS, NAUSEA,
DRYNESS, THROAT IRRITATION, PULMONARY IRRITATION, PNEUMOCONIOSIS,
BENIGN SIDEROSIS, FEVER, BODY ACHE, & CHILLS. EYES/SKIN: ARC RAYS
FROM ELECTRIC OPERATIONS CAN RESULT IN INJURY.
Medical Cond Aggravated by Exposure:INDIVIDUALS W/IMPAIRED PULMONARY
FUNCTIONS OR ILLNESS MAY HAVE SYMPTOMS AGGRAVATED BY FUME
IRRITANTS.

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First Aid Measures
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First Aid:INHALATION: REMOVE TO FRESH AIR. IF BREATHING STOPS, PERFORM
ARTIFICIAL RESPIRATION. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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Fire Fighting Measures
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Flash Point:NON-FLAMMABLE
Unusual Fire/Explosion Hazard:WELDING ARC, OPEN FLAME, & SPARKS CAN

GNITE COMBUSTIBLES.

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

Handling and Storage Precautions: ELECTRIC SHOCK FROM ARC WELDING EQUIPMENT CAN KILL.

Other Precautions: TRAIN THE EMPLOYEE TO KEEP HIS HEAD OUT OF FUMES. ONE RECOMMENDED WAY TO DETERMINE THE COMPOSITION & QUANTITY OF FUMES & GASES TO WHICH WORKERS ARE EXPOSED IS TO TAKE AN AIR SAMPLE IN THE WORKERS' BREATHING ZONE.

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

Respiratory Protection: USE RESPIRABLE FUME OR AIR SUPPLIED RESPIRATORY WHEN WELDING, BRAZING OR SOLDERING IN CONFINED SPACE OR WHERE >TLV.

Ventilation: LOCAL EXHAUST AT THE FLAME OR ARC TO KEEP FUMES & GASES TO KEEP