

HARRIS J W CO INC -- NICKEL 55 ELECTRODE -- 3439-00-165-4189

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Product Identification
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Product ID:NICKEL 55 ELECTRODE

MSDS Date:08/01/1990

FSC:3439

NIIN:00-165-4189

MSDS Number: BPBJK

=== 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:JO82

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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:CARBON BLACK

CAS:1333-86-4

RTECS #:FF5800000

Fraction by Wt: 1.5%

Other REC Limits:N

ONE RECOMMENDED
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3; 9192

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 0.30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:IRON
CAS:65996-67-0
Fraction by Wt: 44.5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:SULFUR
CAS:7704-34-9
RTECS #:WS4250000
Fraction by Wt: 0.005%
Other REC Limits:NONE RECOMMENDED

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
Fraction by
Wt: 0.5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 0.10%
Other REC Limits:NONE RECOMMENDED
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:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 53.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

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==== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:LONG TERM EXPOSURE TO WELDING FUME,
GASES OR DUST MAY CONTRIBUTE TO PULMONARY IRRITATION OR
PNEUMOCONIOSIS. COPPER FUME MAY CAUSE METAL FUME FEVER. LONG TERM
EXPOSURE TO IRON FUME MAY PRODUCE SIDEROSIS , WHICH IS GENERALLY
REGARDED AS BENIGN. NICKEL AND CHROMIUM SHOULD BE CONSIDERED

CARCINOGENIC.

Explanation of Carcinogenicity:THIS MATERIAL CONTAINS NICKEL AND
CHROMIUM.

Effects of Overexposure:SHORT TERM EXPOSURE TO WELDING FUME MAY RESULT
IN DISCOMFORT, DIZZINESS, NAUSEA, OR DRYNESS OR IRRITATION OF THE
THROAT. COPPER MAY CAUSE A METALLIC TASTE IN THE MOUTH, DRYNESS OR
IRRITATIONS OF THE THROAT FOLLOWED BY COUGHING, SHORTNESS OF
BREATH, NAUSEA, FEVER, BODY ACHE, AND 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 IMMEDIATELY.

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

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

==== Handling and Storage =====
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Handling and Storage Precautions:READ AND UNDERSTAND THE MANUFACTURER'S
INSTRUCTIONS AND THE PRECAUTIONARY LABEL ON THE PRODUCT.

Other Precautions:ARC RAYS- FROM ELECTRIC OPERATIONS CAN INJURE EYES
AND BURN SKIN. ELECTRIC SHOCK- FROM ARC WELDING EQUIPMENT CAN
KILL. HEAT RAYS- CAN INJURE EYES.

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

Respiratory Protection:USE RESPIRABLE FUME RESPIRATORY OR AIR-SUPPLIED
RESPIRATOR WHEN WELDING IN CO

UNFINISHED SPACE OR WHERE LOCAL EXHAUST OR

VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:USE ENOUGH VENTILATION AND LOCAL EXHAUST AT THE ARC TO KEEP THE FUMES AND GASES BELOW TLV'S IN THE WORKPLACE.

Protective Gloves:WELDER'S GLOVES.

Eye Protection:PROVIDE PROTECTION SCREENS/FLASH GOGGLES

Other Protective Equipment:WEAR HEAD AND BODY PROTECTION WHICH HELP TO PREVENT INJURY FROM HEAT RADIATION, SPARKS, AND FLAME.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental

Safety and Health

NONE

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

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:SOLID MATERIAL.

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

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:WELDING AND BRAZING FUMES AND GASES CANNOT BE CLASSIFIED SIMPLY.

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

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

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