

J.W.HARRIS CO.,INC. -- NICKEL 55 ELECTRODE -- 3439-00-640-2351

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Product Identification
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Product ID:NICKEL 55 ELECTRODE

MSDS Date:11/01/1985

FSC:3439

NIIN:00-640-2351

MSDS Number: BFJRY

=== Responsible Party ===

Company Name:J.W.HARRIS CO.,INC.

Address:10930 DEERFIELD ROAD

City:CINCINNATI

State:OH

ZIP:45242

Country:US

Emergency Phone Num:513-891-2000

CAGE:27911

=== Contractor Identificat

ion ===

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:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 53%.

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

Ingred Name:IRON OXIDE

CAS:1309-37-1

RTECS #:NO7400000

Fraction by Wt: 44.5%

OSHA PEL:10 MG/M3 (FE)

ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:S

ILICA, CRYSTALLINE - FUSED
CAS:60676-86-0
RTECS #:VV7328000
Fraction by Wt: 0.5%
OSHA PEL:SEE TABLE Z3
ACGIH TLV:0.1 MG/M3 RDUST;9293

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 0.1%
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
Fraction by Wt: 0.3%
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:GRAPHITE, SYNTHETIC
CAS:
7440-44-0
RTECS #:FF5250100
Fraction by Wt: 1.5%
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:2 MG/M3 TDUST; 9293

Ingred Name:SULFUR
CAS:7704-34-9
RTECS #:WS4250000
OSHA PEL:5 MG/CUM (SO*2)
ACGIH TLV:2 MG/CUM (SO*2)

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

Effects of Overexposure:INHL:DIZZ,NAUS,URI IRRIT,WELD FUME FEVER-
BODY:ACHE,CHILLS,FEVER.WELDING ARC:POSS EYE & SKN BURNS.

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

First Aid:REMOVE TO FRESH

AIR, GIVE ART RESP OR OXYGEN AS REQD. CALL
PHYSICIAN IMMED.

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

Flash Point:NONE
Extinguishing Media:AS REQD FOR NEARBY FIRE
Fire Fighting Procedures:AS REQD FOR NEARBY FIRE
Unusual Fire/Explosion Hazard:WELDING ARC CAN IGNITE COMBUSTIBLES.

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

Handling and Storage Precautions:DO NOT TOUCH LIVE ELECTRICAL PARTS OF
WELDING GEAR,INSULATE BODY FROM WORK & GROU
ND.
Other Precautions:PROVIDE PROTECTIVE SCREENS, FLASH GOGGLES TO NEARBY
WORKERS AS REQD.AVOID DIRECT EYE,SKIN EXPOSURE TO WELD ARC.

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

Respiratory Protection:USE DUST,FUME RESPIRATOR AS REQD
Ventilation:LOCAL EXHAUST, WELDING BOOTH
Protective Gloves:WELDERS GLOVES
Eye Protection:WELD MASK W/FILTER LENS
Other Protective Equipment:USE HEAD,BODY PROTECTION AS
REQD,APRON,HAT,SHOULDER PROTEC
Supplemental Safety and Health
MS
DS #21783 NON-STD DATED NOV 85.ADDED INGREDIENT:(6)
CHROMIUM(VI),(FLUX COATING),TLV= 0.05 MG(CRVI)/CUM.HUMAN CARCINOGEN
IARC,NIOSH,NTP,ACGIH.

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

HCC:N1
Appearance and Odor:SOLID ROD, FLUX COATED

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

Stability Indicator/Materials to Avoid:YES
NONE
Stability Condition to Avoid:NONE
Hazardous Decomposition Products:WELD FUMES; CARBON, NITROGEN OXIDES,
OZO

NE

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