

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

===== Product Identification =====

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 Identification ===

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

Address:10930 DEERFIELD ROAD

LD ROAD

Box:City:CINCINNATI

State:OH

ZIP:45242-4110

Country:US

Phone:513-891-2000

CAGE:27911

===== Composition/Information on Ingredients =====

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:SILICA, CRYSTALLINE - FUSED

CAS:60676-86-0

RTECS #:VV7328000

Fract

ion 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/M
3 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)

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

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

===== 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 & GROUND.

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

MSDS #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, OZONE

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