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J.H.HARRIS CO. INC. -- #5554;ELECTRODE,WELDING -- 3439-00-803-9499

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

Product ID:#5554;ELECTRODE,WELDING
MSDS Date:01/01/1987
FSC:3439
NIIN:00-803-9499
MSDS Number: BFQDD
=== Responsible Party ===
Company Name:J.H.HARRIS CO. INC.
Emergency Phone Num:513-891-2000
CAGE:MO001
=== Contractor Identification ===
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
Company Name:J.H.HARRIS CO. INC.
CAGE:MO001

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

Ingred Name:ALUMINUM (SARA III)
CAS:7429-90-5
RTECS #:BD0330000
Fraction by Wt: 95.3%
OSHA PEL:15MG/M3 DUST/5 FUME
ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
Fraction by Wt: 0.12%
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Na

me:ZINC OXIDE
CAS:1314-13-2
RTECS #:ZH4810000
Fraction by Wt: 0.25%
OSHA PEL:15MG/M3 TDUST/5 FUME
ACGIH TLV:10MG/M3 TDUST; 9293

Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: 0.12%
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:MAGNESIUM OXIDE
CAS:1309-48-4
RTECS #:OM3850000
Fraction by Wt: 2.7%
OSHA PEL:15 MG/M3 PARTICULATE
ACGIH TLV:10 MG/M3;TDUST; 9293

========== Hazards Identification ==========
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Effects of Overexposure:INHALATION OF FUMES:SKIN & EYES
IRRITATION;DIZZINESS,NAUSEA,IRRIT.OF THROAT;METAL FUME
FEVER;CR:CARC

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

First Aid:INHALE:REMOVE TO FRESH AIR, GIVE CPR/O*2 IF
NEED;EYES/SKIN:FLUSH W LG AMTS H*2O FOR 15 MIN;INGEST:RINSE MOUTH;
GET MEDICAL ATTENTION FOR EYES, BREATHING DIFFICULTY, OR OTHER
SYMPTOMS OF OVEREXPOSURE.

========== Fire Fighting Measures ==========
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Flash Point:NONE
Extinguishing Media:CO*2,DRY CHEM CA,FOAM
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA IN CONFINED AREA
Unusual Fire/Explosion Hazard:WELDING ARC,OPEN FLAME AND SPARKS CAN
IGNITE COMBUSTIBLES;USE REASONABLE CARE.

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

Spill Release Procedures:USE PROPER PROTECTION:RECOVER SCRAP METAL OR
RODS AND DISPOSE OF UNDER RULES

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

Handlin

g and Storage Precautions:STORE IN DRY AREA.KEEP TIGHTLY
CLOSED;HANDLE WITH FUL PERSONAL PROTECTION.
Other Precautions:AVOID CONTACT WITH EYES AN SKIN:DO NOT BREATHE
DUST/METAL FUMES: USE GOOD INDUSTRIAL HYGIENE PRACTICE.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR
DUST/METAL FUMES IF ABOVE TLV
Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV.
Protective Gloves:WELDER GLOVES
Eye Protection:GOGGLES/FA
CE SHIELD
Other Protective Equipment:FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE
WASH STATION
Supplemental Safety and Health
MSDS DATED;NOVEMBER,1985:OTHER
INGREDIENTS:MN=0.75%;COPPER=0.10%;FE=0.40%;S1=0.25%

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

HCC:N1
Solubility in Water:NEGLIGIBLE
Appearance and Odor:SOLID WIRE OR ROD

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

Stability Indicator/Materials to Avoid:YES
NONE NOTED
Stability Cond
ition to Avoid:HEAT
Hazardous Decomposition Products:METAL FUMES DURING
WELDING,CO,CO*2,O*3,NITROGEN OXIDE.

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

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

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