

UNIVERSAL WIRE WORKS INC -- 718 -- 3439-01-127-6944

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

Product ID:718
MSDS Date:05/08/1989
FSC:3439
NIIN:01-127-6944
MSDS Number: BRJKY
=== Responsible Party ===
Company Name:UNIVERSAL WIRE WORKS INC
Address:7111 LONG DR
City:HOUSTON
State:TX
ZIP:77087
Country:US
Info Phone Num:713-649-3828
Emergency Phone Num:215-371-2000
CAGE:0BCE4

=== Contractor Identification =
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Company Name:IDENTECHS COMPANY, DIV OF AXXIOM AEROSPACE
Address:3183 RED HILL
Box:City:COSTA MESA
State:CA
ZIP:92626
Country:US
Phone:714-250-1290
CAGE:0BLE4
Company Name:UNIVERSAL WIRE WORKS INC.
Address:7111 LONG DRIVE
Box:City:HOUSTON
State:TX
ZIP:77087
Country:US
Phone:713-649-3828
CAGE:0BCE4

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

Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 52%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1

MG/M3
ACGIH TLV:1 MG/M3; 9293

Ingred Name:IRON OXIDE
CAS:1309-37-1
RTECS #:NO7400000
Fraction by Wt: 18%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3 (FE)
ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: 18.4%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:COLUMBIUM
CAS:7440-03-1
Fraction by Wt: 5.2%
Other REC Limits:NONE RECOMMENDED

Ingred Name:MO
LYBDENUM
CAS:7439-98-7
RTECS #:QA4680000
Fraction by Wt: 3.1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3; 9293

Ingred Name:COBALT (SARA III)
CAS:7440-48-4
RTECS #:GF8750000
Fraction by Wt: 1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG/M3;AS CO
ACGIH TLV:0.05 MG/M3;DUST 9293

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
Fraction by Wt: 1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Nam

e:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 0.3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2MG/M3 FUME; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 0.1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

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

Routes of Entry: Inhalation:YES Skin:NO I
ngestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION OF WELDING FUMES MAY
CAUSE NERVOUS SYSTEM AND MUSCLE IRREGULARITIES, IRRITATION OF EYES,
NOSE, THROAT, AND RESPIRATORY SYSTEM, METAL FUME FEVER. CHRONIC:
INHALATION OF FUMES MAY CAUSE CANCER AND AFFECT LUNG FUNCTION.
Explanation of Carcinogenicity:CONTAINS NICKEL AND CHROMIUM WHICH ARE
LISTED BY BOTH IARC AND NTP.
Effects of Overexposure:INHALATION: NAUSEA, DIZ
ZINESS, DRYNESS OF NOSE
AND THROAT, COUGHING, WHEEZING AND SHORTNESS OF BREATH. EYES:
REDNESS, TEARING, BLURRED VISION.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. RESUSCITATE IF NEEDED. EYES:
FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: WASH
WITH SOAP AND WATER. INGESTION: DO NOT INDUCE VOMITING. SEE DOCTOR.

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=== Fire Fighting Measures =====

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:NON-FLAMMABLE; BUT SPARKS AND WELDING ARC MAY IGNITE COMBUSTIBLES DURING USE.

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

Spill Release Procedures:PICK UP RODS. SWEEP UP OR MOP. PLACE RESIDUE IN A CONTAINER FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:REMOVE ANY COMBUSTIBLES FROM WORK AREA: SPARKS OR WELDING ARC COULD IGNITE NEARBY COMBUSTIBLES.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR WELDING FUMES OR SUPPLIED AIR RESPIRATOR IN CONFINED SPACES OR WHERE FUME CONCENTRATION EXCEEDS REGULATORY LIMITS.

Ventilation:USE MECHANICAL OR LOCAL EXHAUST OR BOTH TO MAINTAIN LEVELS OF FUMES BELOW REGULATORY LIMITS.

Protective Gloves:WELDERS WORK GLOVES

Eye Protection:WELDERS HELMET WITH CORRECT LENSES

Other Protective Equipment:CLOTHING TO PROTECT ENTIRE BODY FROM SPARKS.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:B.P. Text:HIGH

Melt/Freeze Pt:M.P/F.P Text:>2400F,>131

Vapor Pres:NIL

Vapor Density:NIL

Spec Gravity:7.5-8.5

Solubility in Water:INSOLUBLE

Appearance and Odor:SOLID, ODORLESS METAL

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

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:ME

TAL FUMES

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

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

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