

HARRIS WELCO -- 718 ALUMINUM WIRE AND CUT LENGTHS -- 3439-00-262-4175

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Product Identification
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Product ID:718 ALUMINUM WIRE AND CUT LENGTHS

MSDS Date:01/20/1997

FSC:3439

NIIN:00-262-4175

MSDS Number: CGWZZ

=== Responsible Party ===

Company Name:HARRIS WELCO

Address:1051 YOURK ROAD

City:KINGS MOUNTAIN

State:NC

ZIP:28086

Country:US

Info Phone Num:704-739-6421

Emergency Phone Num:800-424-9

300(CHEMTREC)

CAGE:HO911

=== Contractor Identification ===

Company Name:HARRIS WELCO

Address:1051 YORK RD

Box:City:KINGS MOUNTAIN

State:NC

ZIP:28086

Country:US

Phone:704-739-6421

CAGE:HO911

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:ALUMINUM (SARA 313)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 80-99.7%

Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 DUST
ACGIH TLV:10 MG/M3 DUST; 9596

Ingred Name:CHROMIUM (SARA 313) (CERCLA), 0.05-0.35%.
CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: SEE ING
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9596
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:COPPER (SARA 313) (CERCLA)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 0.2-4.7%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2 MG/M3 FUME; 9596

EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:MANGANESE (SARA 313), 0.01-5.9%.
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: SEE ING
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C, 5 MG/M3 (FUME)
ACGIH TLV:0.2 MG/M3; 9596

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
Fraction by Wt: 0.06-13%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:TITANIUM (OXIDE)
CAS:7440-32-6
RTECS #:XR1700000
Fraction by Wt: 0.01-.2%
Other REC Limi

ts:NONE RECOMMENDED

Ingred Name:ZINC OXIDE (SARA 313) (CERCLA) (DUST), 0.05-0.25%.

CAS:1314-13-2

RTECS #:ZH4810000

Fraction by Wt: SEE ING

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9596

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:MELTING A

L SCRAP MAY GENERATE OIL

VAPORS WHICH IRRIT EYES & UPPER RESP TRACT.PROL/REP CONTACT MAY CAUSE SKIN IRRIT.EYE:MAY IRRIT WHEN WELD/PLASMA CUTTING.INHAL:NOT LIKELY UNLESS MATL MACHINE,WELDED,RE MELTED.EXPO TO ZINC OXIDE FUME CAN RESULT IN ZIN CHILLS(METAL FUME FEVER).RECOVERY USUALLY COMPLETE IN 24-48HR(SIGN/SYM)

Effects of Overexposure:HEALTH:OVEREXPO TO COPPER FUME CAN CAUSE UPPER RESPIRATORY TRACT IRRIT. OVEREXPOSURE:SEE HEALTH HAZARDS. A GAS REACTION CAN PRODUCE CAR

BON DIXOIDE AND CARBON GAS.OZONE OXIDES AND

NITROGEN OXIDES CAN B E FORMED BY WELDING ARC.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:NONE SPECIFIED BY MANUFACTURER. HMIS:FOLLOW AMERICAN RED CROSS 1ST AID PROCEDURES.

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

Flash Point:NA

Autoignition Temp:Autoignition Temp Text:NP

Lower Limits:NP

Upper Limits:NP

Extingu

ishing Media: DRY POWDER OR SAND.

Fire Fighting Procedures: DONT USE WATER OR HALOGEN ON DUST FUMES.

Unusual Fire/Explosion Hazard: DAMP AL DUST MAY SPONTANEOUSLY HEAT W/LIBERATION OF H₂ TO FORM EXPLO AIR MIXTURES. IT WILL ALSO FORM EXPO MIX W/H₂. WHEN REMELTING AL SCRAP ENTRAP MOISTURE (SUPPL)

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

Handling and Storage Precautions: HALOGEN ACID/SODIUM HYDROXIDE IN CONTACT W/AL MAY GENERATE EXPLO MIXTURE IN AIR IN PRESENCE OF BROMATES, IODATES, AMMONIUM NITRITE.

Other Precautions: DONT TOUCH CAST AL METAL/HEATED AL PROD W/O KNOWING METAL TEMP. AL EXPERIENCES NO COLOR CHANGE DURING HEAT. METAL HOT & TOUCH BURNS RESULTS. AL POWDER MSUT BE PKG/SHIP FLAMM SOLID UN1396. HARD ALLOY INGOT S 2000/7000 SER MUST BE STRESS (SUPPLE)

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

Respiratory Protection: REQUIRED-DETERMINED BY NATURE OF THE PROCESSING ACTIVITY.

Ventilation: TO BE DETERMINED BY NATURE OF THE PROCESSING ACTIVITY BEING PERFORMED.

Protective Gloves: DETERMINE BY NATURE OF PROCESS ACTIVITY

Eye Protection: DETERMINE BY NATURE OF PROCESS ACTIVITY

Other Protective Equipment: APPROPRIATE PERSONAL PROTECTIVE EQPMT IS REQUIRED WHEN MELTING CASTING, MACHING, FORGING, OTHERWISE PROCESSING.

Work Hygienic Practices: FOR MAX SAF BE CERTIFIED FOR & WEAR RESP @ ALL TIMES WHEN WELDING/BRAZING.

Supplemental Safety and Health

FIRE/EXPLO: OR PRESENCE OF STRONG OXIDIZERS (AMMONIUM NITRATE) COULD CAUSE

EXPLO. APPLIED TO COLLECTION OF MOISTURE IN SAW CAVITIES AS WELL. MOISTURE MUST BE DRIVEN OFF PRIOR TO REMELTING. OTHER PRECAUT: RE LIEVE-PREVENT EXPLO/VOL CRACK) WHEN SAW. SOME AL SCRAP CONTAM W/OIL LEVELS >1%. VAP DEGREASER MUST BE PROPERLY MAINTAIN.

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

HCC: N1

Boiling Pt: B.P. Text: NA

Melt/Freeze Pt: M.P/F.P Text: 950F, 510C

Decomp Temp: Decomp Text: NP

Vapor Pres: NA

Vapor Density: NA

Spec Gravity: 2.5-2.9

pH: NP

V

viscosity:NP
Evaporation Rate & Reference:NA
Solubility in Water:NIL
Appearance and Odor:METALLIC APPEARANCE, NO ODOR
Percent Volatiles by Volume:NP
Corrosion Rate:NP

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

NA
Stability Condition to Avoid:NA
Hazardous Decomposition Products:WELDING OF AL ALLOYS MAY GENERATE
CO,CO2,OZONE,NITROGEN OXIDES,INFRA-RED RADIATION,ULTRAVIOLET
RADIATION PLUS METAL FUME

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

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Waste Disposal Methods:USED/UNUSED PRODUCT SHOULD BE TESTED TO
DETERMINED HAZ STATUS & DISPOSAL REQMTS UNDER FED/STATE/LOC REGS.

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