

ARCOS ALLOYS DIV HOSKINS MFG CO -- BARE-WIRE FILLER METALS, 813 -- 3439-00-205-1003

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

Product ID:BARE-WIRE FILLER METALS, 813

MSDS Date:05/01/1994

FSC:3439

NIIN:00-205-1003

MSDS Number: CDVGF

=== Responsible Party ===

Company Name:ARCOS ALLOYS DIV HOSKINS MFG CO

Address:1 ARCOS DR

City:MT CARMEL

State:PA

ZIP:17851

Country:US

Info Phone Num:717-339-5200

Emergency Ph

one Num:800-424-9300(CHEMTREC)

CAGE:03805

=== Contractor Identification ===

Company Name:ARCOS ALLOYS DIV OF HOSKINS MFG CO

Address:#1 ARCOS DRIVE

Box:308

City:MTCARMEL

State:PA

ZIP:17851

Country:US

Phone:717-339-5200, CHEMTREC 800-424-9300

CAGE:03805

Company Name:ARCOS ALLOYS DIVISION OF HOSKINS MFG. CO.

Address:#1 ARCOS DRIVE

Box:City:MT CARMEL

State:PA

ZIP:17851

Country:US

Phone:570-339-5200; 717-339-5200

CAGE:19270

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

Ingred

Name:IRON; (FE)  
CAS:7439-89-6  
RTECS #:NO4565500  
Fraction by Wt: 1%  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:CHROMIUM; (CR) (SARA 313) (CERCLA)  
CAS:7440-47-3  
RTECS #:GB4200000  
Fraction by Wt: 0.01%  
OSHA PEL:1 MG/M3  
ACGIH TLV:0.5 MG/M3  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:COPPER; (CU) (SARA 313) (CERCLA)  
CAS:7440-50-8  
RTECS #:GL5325000  
Fraction by Wt: 70.5%  
OSHA PEL:0.1MG/M3 FUME;1 DUST  
ACGIH TLV:0.2 MG/M3 FUME  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:NICKEL; (NI) (SARA 313) (CERCLA)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 32%  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3

Ingred Name:EFTS OF OVEREXP:CHRONIC:EXPOS MAY RSLT IN NEUROLOGICAL DMG,  
LUNG FIBROSIS, PNEUMOCONIOSIS & OTHER LUNG DISEASES. (ING 6)  
RTECS #:9999999ZZ

Ingred Name:ING 5:CHROMIUM IS CONSIDERED POSS CARCIN UNDER OSHA (29 CF4  
1910.1200) (MFR). STUDIES FORMING BASIS FOR THIS (ING 7)  
RTECS #:9999999ZZ

Ingred Name:ING 6:CLASSIFICATION WERE FROM OPERATIONS OTHER THAN  
WELDING OF CHROMIUM. T

HERE IS CONSIDERABLE CONTROVERSY ON (ING 8)  
RTECS #:9999999ZZ

Inged Name:ING 7:EXTENT OF RESP CANCER PROBS DUE TO CHROMIUM.  
NEVERTHELESS EXPOS MUST BE MAINTAINED BELOW LEVELS SPECIFIED.  
RTECS #:9999999ZZ

Inged Name:OTHER PROT EQUIP:PROVIDE PROTECTIVE SCREENS TO SHIELD  
OTHERS.  
RTECS #:9999999ZZ

Inged Name:HAZ DECOMP PROD:BEING WELDED, PROCS, PROCESSES & TYPE OF  
WIRE/ELECTRODES USED. OTHER INFLUENCING FACTORS ARE THE(ING 11)  
RTECS #:9999999ZZ

Inged Name:ING 10:PRESENCE OF CONTA  
MS IN ATM. DECOMP PRODS FROM  
WELDING/CUTTING OPERATION INCL THOSE FROM VOLATILIZATION, (ING 12)  
RTECS #:9999999ZZ

Inged Name:ING 11:RXN &/OR OXIDATION OF INGS & MAY INCL OXIDES OF  
METALS, CHROMATES & COMPLEX METALLICS. GASEOUS RXN PRODS (ING 13)  
RTECS #:9999999ZZ

Inged Name:ING 12:MAY INCL CARBON MONOXIDE, OZONE & NITROGEN OXIDES.  
CHLORINATED SOLVS MAY BE DECOMPOSED INTO TOX GASES (ING 14)  
RTECS #:9999999ZZ

Inged Name:ING 13:SUCH AS PHOSGENE. WHEN ELECTRODES ARE CONSUMED, FUME  
& GAS DECOMP PRODS GENERATED ARE DIFF IN FORM FROM (ING 15)  
RTECS #:9999999ZZ

Inged Name:ING 14:INGS LISTED. NEW CMPDS NOT IN ELECTRODES MAY FORM.  
KNOWN GASES & FUMES THAT MAY FORM DURING WELDING/HOT (ING 16)  
RTECS #:9999999ZZ

Inged Name:ING 15:CUTTING & THEIR EXPOS LIMS ARE:ALUMINUM FUMES,  
CARBON MONOXIDE, CHROMIUM, CHROMIUM (CHROMATES), COBALT (ING 17)  
RTECS #:9999999ZZ

Inged Name:ING 16:FUME(CO), COPPER FUME(CU), IRON OXIDE FUME(FE),  
MANGANESE FUME(MN), MOLYBDENUM(MO) (S

OLUBLE), NICKEL(NI) (ING 18)  
RTECS #:9999999ZZ

Ingred Name:ING 17:(SOLUBLE), TUNGSTEN(W) (SOLUBLE), NITROGEN DIOXIDE,  
OZONE & PHOSGENE.  
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:THIS PROD POSES NO HLTH HAZ AS SHIPPED  
BUT MAY POSE HLTH HAZ DURING USE. ELEC ARC WELDING RAGS CAN INJURE  
EYES & BURN SKIN. DUST, FUMES & GASES CAN BE DANGEROUS TO YOUR  
TEETH. LUNG DMG MAY RSLT FROM OVEREXP. ACUTE:SHORT TERM EXPOS TO  
WELDING FUMES, GASES/DUST MAY RSLT IN DISCOMFORT SUCH AS DIZZ,  
NAUS, (EFFECTS OF OVEREXP)  
Explanation of Carcinogenicity:NICKEL:IARC MONOGRAPHS ON EVAL OF CARCIN  
RISK OF CHEMS TO MAN, VOL 49, PG 257, 1990:GRP 2B. NTP 7TH ANNUAL  
RPT (SUPDAT)  
Effects of Overexposure:HLTH HAZ:FEVER, DRYNESS &/OR IRRIT OF NOSE,  
THROAT & EYES. SKIN SENSITIVITY MAY ALSO BE NOTED. ACUTE EXPOS CAN  
RSLT IN SAME SYMPS EXCEPT TO GREATER DEGREE AS WELL AS WATERY EYES,  
HEADCH, BRTHG DEFCLTY, FREQUENT COUGH &/OR CHEST PAINS. SOME TOX  
GASES MAY CAUSE PULM EDEMA, ASPHY & EXCESSIVE EXPOS CAN BE FATAL.  
(ING 5)  
Medical Cond Aggravated by Exposure:SOME WORKERS MAY EXPERIENCE  
DISCOMFORT AT CONCS BELOW THE TLVS & OTHER MAY BE AFFECTED BY A  
PRE-EXISTING CONDITION OR OTHER OCCUP ILLNESS BECAUSE OF WIDE  
VARIATION  
IN INDIVIDUAL SUSCEPTIBILITIES.

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

First Aid:IN CASE OF ELEC SHOCK, TURN OFF POWER PRIOR TO REMOVAL FROM  
EXPOS AREA & ADMIN OF FIRST AID. INHAL:REMOVE TO FRESH AIR. IF  
BRTHG IS DEFCLT ADMIN OXYG. IF NOT BRTHG BEGIN ARTF RESP. IF NO  
DETECTABLE PUL SE BEGIN EXTERNAL HEART MASSAGE. SKIN:WASH AFFECTED  
AREA W/SOAP & WATER. EYES:FLUSH W/LG AMTS OF FRESH WATER FOR AT LST  
15 MINS. INGEST:SEEK MED ATTN. IN ALL CASES, S

EEK MED ATTN FOR  
FIRST AID.

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

Flash Point:NONFLAMMABLE

Extinguishing Media:MEDIA SUITABLE FOR SURROUNDING FIRE .

Fire Fighting Procedures:USE NIOSH APPROVED SCBA & FULL PROTECTIVE  
EQUIPMENT .

Unusual Fire/Explosion Hazard:NONFLAMMABLE; HOWEVER, ARCS, SPARKS &  
MOLTEN METAL CAN IGNITE FLAMMABLES & COMBUSTIBLES OR CAUSE  
EXPLOSIONS.

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

Spill Release

Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUES &  
PLACE IN SUITABLE DEPARTMENT OF TRANSPORTATION (DOT) APPROVED  
CONTAINERS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID INHALATION & SKIN EXPOSURE. DO  
NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING OR WELDING.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

===== Exposure Controls/Personal Protection ==  
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Respiratory Protection:USE NIOSH APPRVD WELD FUME RESP OR AIR SUPPLIED  
RESP WHEN CUTTING, GRINDING/WELDING IN CONFINED SPACE/WHERE LOC  
EXHST/GEN VENT DOES NOT KEEP EXPOS BELOW REC LIMS. MONITOR AIR  
QUALITY INSIDE WELDER'S H ELMET, IF WORN, &/OR WORKER'S (SUPDAT)

Ventilation:USE ENOUGH VENT WHEN CUTTING, GRINDING/WELDING TO KEEP  
DUST, FUMES & GASES FROM WORKERS BRTHG ZONE & GEN AREA. (SUPDAT)

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPRVD CHEM WORKER  
S GOGGS &(SUPDAT)

Other Protective Equipment:ANSI APPRVD EYE WASH FOUNTAIN & DELUGE  
SHOWER . WEAR FLAME RETARDANT CLTHG WHEN CUTTING, GRINDING/WELDING.  
(ING 9)

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

EXPLAN OF CARCIN:ON CARCIN, 1994:ANTIC TO BE CARCIN. ANIMAL:LUNGS,  
NASAL CAVITIES. RESP PROT:BRTHG ZONE TO DETERM IF RESP IS REQD &  
TYPE NEEDED. USE ONLY NIOSH APPRVD RESPS. VENT:KEEP EXPOS BELOW  
LIMS SPECIFIED. EYE PROT:FULL LGTH F

CSHLD ; W/FILTER LENS. SELECT  
WELDING LENS SHADE FROM AWS PUBLICATION F2.2.

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

HCC:T6

Appearance and Odor:BARE FILLER METALS ARE SOLID WIRE.

===== 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:WELDING & HOT CUTTING FUMES & GASES

CANNOT B

E CLASSIFIED SIMPLY. THEIR COMPOSITION & QTY ARE DEPENDENT  
ON METAL (ING 10)

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

Waste Disposal Methods:DISPOSE OF IN FULL COMPLIANCE W/FEDERAL, STATE &  
LOCAL REGULATIONS.

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