

ARCOS ALLOYS DIV OF HOSKINS MFG. CO. -- BARE WIRE FILLER METALS (STAINLESS STEEL 310 INDICATED) -- 3439-00-880-1652

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

Product ID:BARE WIRE FILLER METALS (STAINLESS STEEL 310 INDICATED)

MSDS Date:04/01/1991

FSC:3439

NIIN:00-880-1652

MSDS Number: BTHVS

=== Responsible Party ===

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

Address:#1 ARCOS DRIVE

Box:308

City:MOUN

T CARMEL

State:PA

ZIP:17851

Country:US

Info Phone Num:717-339-5200

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

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

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

Ingred Name:CHROMIUM (SARA 313) (CERCLA)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by

Wt: 28%  
OSHA PEL:1 MG/M3  
ACGIH TLV:0.5 MG/M3; 9495  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:MANGANESE (SARA 313)  
CAS:7439-96-5  
RTECS #:OO9275000  
Fraction by Wt: 2.5%  
OSHA PEL:C 5 MG/M3 DUST  
ACGIH TLV:5 MG/M3 DUST 9495

Ingred Name:NICKEL (SARA 313) (CERCLA)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 22.5%  
Other REC Limits:1 MG/CUM  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9495

Ingred Name:IRON  
CAS:7439-89-6  
RTECS #:NO4565500  
Fraction by Wt: BALANCE

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Hazards Identification  
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LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:\*\*TARGET-ORGANS:RESPIRATORY SYSTEM\*\*  
PRODUCT POSES NO HEALTH HAZARD AS SHIPPED, BUT MAY POSE A HEALTH HAZARD DURING USE. ELECTRIC ARC WELDING RAYS CAN INJURE EYES & BURN SKIN. DUST, FUMES & GASES CAN BE DANGEROUS TO YOUR HEALTH. LUNG DAMAGE MAY RESULT FROM OVEREXPOSURE. CHRONIC EXPOSURE MAY RESULT IN NEUROLOGICAL  
Explanation of Carcinogenicity:CHROMIUM & NICKEL ARE LISTED AS POSSIBLE CARCINOGENS BY IARC, NTP & OSHA. SEE INDIVIDUAL REPORTS FOR DETAILS.  
Effects of Overexposure:SHORT TERM EXPOSURE TO WELDING FUMES, GASES OR DUST MAY RESULT IN DIZZINESS, NAUSEA, FEVER, DRYNESS, WATERY EYES, HEADACHE, BREATHING DIFFICULTY, FREQUENT COUGHING, CHEST PAINS, & EVEN PULMONARY EDEMA , ASPHYXIATION, & DEATH.  
Medical Cond Aggra

vated by Exposure:SOME WORKERS MAY EXPERIENCE DISCOMFORT AT CONCENTRATIONS BELOW THE THRESHOLD LIMIT VALUES & OTHERS MAY BE AFFECTED BY A PRE-EXISTING CONDITION OR OTHER OCCUPATIONAL ILLNESS.

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First Aid Measures  
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First Aid:IN CASE OF ELECTRICAL SHOCK, TURN OFF POWER PRIOR TO REMOVAL.  
INHALATION:REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING STOPS, BEGIN ARTIFICIAL RESPIRATION. SKIN:WASH AFFECTED AREA WITH SOAP & WATER. EYES:FLUSH WITH LARGE AMOUNTS OF FRESH WATER FOR AT LEAST 15 MINS. INGESTION:GET IMMEDIATE MEDICAL ATTENTION.

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Fire Fighting Measures  
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Flash Point:NON-FLAMMABLE  
Extinguishing Media:MFR GAVE NO INFORMATION OF MSDS.  
Fire Fighting Procedures:MFR GAVE NO INFORMATION OF MSDS.  
Unusual Fire/Explosion Hazard:NONFLAMMABLE; HOWEVER, ARCS, SPARKS & MOLTEN METALS CAN IGNITE FLAMMABLES & COMBUSTIBLES OR CAUSE EXPLOSION.

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Accidental Release Measures  
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Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUES & PLACE IN DOT APPROVED CONTAINERS. AVOID INHALATION & SKIN EXPOSURE  
Neutralizing Agent:MFR GAVE NO INFORMATION OF MSDS.

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Handling and Storage  
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Handling and Storage Precautions:MFR GAVE NO INFORMATION OF MSDS.  
Other Precautions:MFR GAVE NO INFORMATION OF MSDS.

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Exposure Controls/Personal Protection  
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Respiratory Protection:USE NIOSH APPROVED WELD FUME RESPIRATOR OR AIR-SUPPLIED RESPIRATOR WHEN CUTTING, GRINDING OR WELDING IN CONFINED SPACES OR WHERE LOCAL EXHAUST OR GENERAL VENTILATION DOES NOT KEEP EXPOSURE BELOW RECOMMENDED LIMITS.

Ventilation:USE ENOUGH VENTILATION TO KEEP DUST, FUMES, GASES FROM WORKERS BREATHING ZONE & GENERAL AREA. KEEP EXPOSURE BELOW PEL/TLV.

Protective Gloves:WEAR GLOVES

Eye Protection:OSHA APPROVED GOGGLES, GLASSES, FACE SHIELD

Other Protective Equipment:WEAR FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING/WELD.

Work Hygienic Practices:PROVIDE PROTECTIVE SCREENS TO SHIELD OTHERS.

Supplemental Safety and Health

\*MONITOR AIR QUALITY AT WORKERS BREATHING ZONE (INSIDE HELMET) TO DETERMINE IF RESPIRATOR IS REQUIRED. \*\*SELECT WELDING LENS FROM AMERICAN WELDING SOCIETY F2.2. \*\*\*REFER TO ANSI Z49.1 AND OSHA 29CFR19 10 FOR FURTHER INFORMATION.

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

HCC:N1

NRC/State Lic Num:NONE

Appearance and Odor:BARE FILLER METALS ARE SOLID WIRE.

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

Stability Indicator/Materials to Avoid:YES

MFR GAVE NO INFORMATION OF MSDS.

Stability Condition to Avoid:MFR GAVE NO INFORMATION OF MSDS.

Hazardous Decomposition Products:WELDING & HOT CUTTING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. THEIR COMPOSITION & QUANTITY VARIES.

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Conditions to Avoid Polymerization:MFR GAVE NO INFORMATION OF MSDS.

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

Waste Disposal Methods:DISPOSE OF I/A/W FEDERAL, STATE & LOCAL REGULATIONS.

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