

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

===== 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:MOUNT CARMEL

State:PA

ZIP:17851

Country:US

Info Phone Num:717-339-52

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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

===== 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

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

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 NEUROL
OGICAL
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 Aggravated 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.

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

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.

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

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.

===== 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.

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

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

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

Respiratory Protection:USE NIOSH APPRO
VED 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 RECOM MENDED 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 APRVD GOGGLES, GLASSES, FACE SHIELD
Other Protective Equipment:WEAR FLAME RETARDANT CLOTHING WHEN CU

TTING,
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.

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

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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.

Conditions to Avoid Polymerization:MFR GAVE NO INFORMATION OF MSD
S.

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

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

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