

ARCOS ALLOYS, DIV OF HOSKINS MFG CO -- 308, STAINLESS STEEL ALLOYS -- 3439-00-248-4946

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Product Identification  
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Product ID:308, STAINLESS STEEL ALLOYS

MSDS Date:04/10/1998

FSC:3439

NIIN:00-248-4946

Status Code:A

MSDS Number: CKQTN

=== Responsible Party ===

Company Name:ARCOS ALLOYS, DIV OF HOSKINS MFG CO

Address:#1 ARCOS DRIVE

City:MT CARMEL

State:PA

ZIP:17851

Country:US

Info Phone Num:

570-339-5200; 717-339-5200

Emergency Phone Num:717-339-5200

Resp. Party Other MSDS Num.:A1000

CAGE:19270

=== Contractor Identification ===

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

Contract Num:N00251-9181-7044

CAGE:19270

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Composition/Information on Ingredients  
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Ingred Name:NICKEL

CAS:7440-02-0

RTECS #:QR5950000

= Wt:11.

OSHA PEL:1 MG/M3

ACGIH TLV:1

MG/M3

Ingred Name:MANGANESE  
CAS:7439-96-5  
RTECS #:OO9275000  
= Wt:2.5  
OSHA PEL:C5 MG/M3  
ACGIH TLV:5 MG/M3

Ingred Name:CHROMIUM  
CAS:7440-47-3  
RTECS #:GB4200000  
= Wt:20.  
OSHA PEL:1 MG/M3  
ACGIH TLV:0.5 MG/M3  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:IRON  
CAS:7439-89-6  
RTECS #:NO4565500  
= Wt:66.5  
Code:F

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

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:ELECTRIC ARC WELDING RAYS CAN I  
NJURE

EYES AND BURN SKIN. FUMES, GASES AND DUST CAN BE A HEALTH HAZARD THROUGH INHALATION. SHORT TERM EXPOSURE TO WELDING FUMES, GASES OR DUST MAY RESULT IN DISCOMFORT. SKIN SENSITIVITY MAY ALSO BE NOTED. ACUTE EXPOSURE CAN RESULT IN THE SAME SYMPTOMS EXCEPT TO A GREATER DEGREE. CHRONIC EXPOSURE MAY RESULT IN NEUROLOGICAL DAMAGE, LUNG FIBROSOS, PNEUMOCONIOSIS AND OTH ER LUNG DISEASES.

Explanation of Carcinogenicity:ALL OF THE PRODUCTS DESCRIBED IN THIS MSDS CONTAIN O  
R PRODUCE CHEMICALS KNOWN TO CAUSE CANCER.

Effects of Overexposure:ACUTE: DIZZINESS, NAUSEA, FEVER, DRYNESS AND/OR IRRITATION OF NOSE, THROAT AND EYES. SKIN SENSITIVITY, WATERY EYES, HEADACHE BREATHING DIFFICULTY, FREQUENT COUGHING AND/OR CHEST PAINS. SOME TOXIC GASE S MAY CUASE PULMONARY EDEMA, ASPHYXIATION AND EXCESSIVE EXPOSURE CAN BE FATAL.

Medical Cond Aggravated by Exposure: SOME WORKERS MAY EXPERIENCE DISCOMFORT AT CONCENTRATIONS BELOW THE THRESHOLD LIMIT VALUES &

OTHERS MAY BE AFFECTED BY A PREEXISTING CONDITION OR OTHER OCCUPATIONAL ILLNESS .

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

First Aid:IN CASES OF ELECTRICAL SHOCK, TURN OFF POWER PRIOR TO REMOVAL FROM EXPOSURE AREA AND ADMINISTRATION OF FIRST AID. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION. IF NO DETECTABLE PULSE BEGIN EXTERNAL HEART MASSAGE. SKIN: WASH AFFECTED AREA WITH SOAP AND WATER. EYES: FLUSH WITH LARGE AMOUNTS OF FRESH WATER FOR AT LEAST 15 MINUTES. INGESTION: SEEK MEDICAL ATTENTION.\*\*IN ALL CASES, SEEK MEDICAL ATTENTION FOR FIRST AID.\*\*

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

Extinguishing Media:NON-FLAMMABLE  
Fire Fighting Procedures:ARCS, SPARKS AND MOLTEN METAL CAN IGNITE FLAMMABLE SAND COMBUSTIBLES OR CAUSE EXPLOSIONS.

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

Spill Release Procedures:CLEAN UP ANDY GRINDING DUST OR WASTE RESIDUES AND PLACE IN SUITABLE DEPARTMENT OF TRANSPORTATION APPROVED CONTAINER.

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

Respiratory Protection:USE WELD FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN CUTTING, GRINDING OR WELDING IN A CONFINED SPACE OR WHERE LOCAL EXHAUST OR GENERAL VENTILATION DOES NOT KEEP EXPOSURE BELOW RECOMMENDED LIMITS. USE ONLY NIOSH APPROVED RESPIRATORS.

Ventilation:USE WELD VENTILATION WHEN CUTTING, GRINDING OR WELDING TO KEEP DUST, FUMES AND GASES FROM WORKERS BREATHING ZONE OR GENERAL AREA.

Protective Gloves:YES.

Eye Protection:OSHA APPROVED GOGGLES, GLASSES AND/OR FACE SHIELD.

Other Protective Equipment:FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING SO AS NOT TO EXPOSE SKIN TO RADIATION WHEN CUTTING OR WELDING. PROVIDE PROTECTIVE SCREENS TO SHIELD OTHERS.

Supplemental Safety and Health

===== Physical/Chemical Prop

erties =====

HCC:N1

Appearance and Odor:COVERED WELDING ELECTRODES ARE SOLID WIRE WITH FLUX COATING.

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

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:THE KNOWN GASES & FUMES THAT MAY FORM DURING WELDING OR HOT CUTTING ARE: ALUMINUM FUMES, CARBON MONOXIDE, CHROMIUM, COBALT FUMES, COPPER FUME, FLUORIDE, IRON OXIDE FUME, MAGNESIUM, NICKEL, NITROGEN, ETC

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

Waste Disposal Methods:DISPOSE OF IN FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. AVOID INHALATION AND SKIN EXPOSURE.

===== Regulatory Information =====

SARA Title III Information:THE ARCOS WELDING PRODUCTS LISTED IN THE INGREDIENTS SECTION OF THE MATERIAL SAFETY DATA SHEET CONTAINS TOXIC CHEMICALS SUBJECT TO THE REPORT REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

===== Other Information =====

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