View NSN Online: https://aerobasegroup.es/nsn/3439-01-067-0697

ARCOS ALLOYS DIVISION OF HOSKINS MFG. CO. -- COBALT-BASE ALLOYS, COBALT 6B, (A-3), COCR-A -- 3439-01-067-0697

Product ID:COBALT-BASE ALLOYS, COBALT 6B, (A-3), COCR-A

MSDS Date:05/01/1994

FSC:3439

NIIN:01-067-0697 Status Code:A

MSDS Number: CKXYQ === Responsible Party ===

Company Name: ARCOS ALLOYS DIVISION 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:800-424-9300 (CHEMTREC)

Resp. Party Other MSDS Num.:106

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

CAGE:19270

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

Ingred Name: IRON (FE)

CAS:7439-89-6

RTECS #:NO4565500

= Wt:3. OSH A PEL:NONE **ACGIH TLV:NONE**

Ingred Name: CHROMIUM (CR)

CAS:7440-47-3

RTECS #:GB4200000

= Wt:32.

OSHA PEL:1 MG/M3 ACGIH TLV:0.5 MG/M3

EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name: MANGANESE (MN)

CAS:7439-96-5

RTECS #: OO9275000

= Wt:1.

OSHA PEL:5 MG/M3 CEILING

ACGIH TLV:5 MG/M3

Ingred Name: COBALT

CAS:7440-48-4

RTECS #:GF8750000

Fraction by Wt: BALANCE

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.02 MG/M3

Ingred Name: CARBON

CAS:7440-44-0

RTECS #:FF5250000

= Wt:1.4

Ingred Name:TUNGSTEN

CAS:7440-33-7 RTECS #:YO7

175000

= Wt:6.

ACGIH TLV:5 MG/M3 ACGIH STEL:10 MG/M3

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

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

Health Hazards Acute and Chronic:THIS PRODUCT POSES NO HEALTH HAZARD AS SHIPPED BUT MAY POSE A HEALTH HAZARD DURING USE. ELECTRIC ARC WELDING RAYS CAN INJURE EYES AND BURN SKIN. DUST, FUMES AND GASES

CAN BE DANGEROUS TO YOUR HEALTH. LUNG DAMAGE MAY

RESULT FROM

OVEREXPOSURE. SECTIONS (INGREDIENTS AND REACTIVITY) LIST SPECIFIC HAZARDOUS INGREDIENTS, REACTION PRODUCTS AND OSHA PEL'S AND ACGIH TLV'S. PRIMARY ROUTE OF ENTRY: FUMES, GASES AND DUST CAN BE A HEALTH HAZARD THRU INHALATION. ACUTE EXPOSURE: SHORT TERM EXPOSURE TO WELDING FUMES, GASES OR DUST MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA, FEVER, DRYNESS AND/OR (S IGNS AND SYMPTOMS OF OVEREXPOSURE)

Explanation of Carcinogenicity:NICKEL: IARC GROUP 2B , VOL 49, PG 257,

1990. NTP 9TH ANNUAL REPORT ON CARCINOGENS.

Effects of Overexposure:HEALTH HAZARDS ACUTE AND CHRONIC (CONT):
IRRITATION OF NOSE, THROAT AND EYES. SKIN SENSITIVITY MAY ALSO BE
NOTED. ACUTE EXPOSURE CAN RESULT IN THE SAME SYMPTOMS EXCEPT TO A
GREATER DEGREE AS WELL AS W ATERY EYES, HEADACHE, BREATHING
DIFFICULTY, FREQUENT COUGHING AND/OR CHEST PAINS. SOME TOXIC GASES
MAY CAUSE PULMONARY EDEMA, ASPHYXIATION AND EXCESSIVE EXPOSURE CAN
BE FATAL. CHRONIC

EXPOSURE: CHRON IC EXPOSURE MAY RESULT IN NEUROLOGICAL DAMAGE, LUNG FIBROSIS, PNEUMONCONIOSIS AND OTHER LUNG DISEASES. NICKEL AND CHROMIUM ARE CONSIDERED POSSIBLE CARCINOGENS UNDER OSHA (29 CFR 1910.1200). THE STUDIE S FORMING THE BASIS (TOXICOLOGICAL INFO)

Medical Cond Aggravated by Exposure:SOME WORKERS MAY EXPERIENCE DISCOMFORT AT CONCENS BELOW THE TLV & OTHERS MAY BE AFFECTED BY PRE-EXISTING CNDTNS OR OTHER OCCUPATIONAL ILLNESS BECAUSE OF WIDE VARIATION IN INDIVID

UAL SUSCEPTIBILITIES.

======= First Ai	l Measures =======	========
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First Aid:IN CASE OF ELECTRIC 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 BRE ATHING 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 MI NUTES. INGESTION: SEEK MEDICAL ATTENTION.

	Fire Fighting Measures	
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Flash Point: NONFLAMMABLE

Extinguishing Media: MEDIA SUITABLE FOR SURROUNDING FIRE.

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

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

======= Accidental Release

MAGGIRAG	===========
MEGOMES	

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUES AND PLACE IN SUITABLE DEPARTMENT OF TRANSPORTATION (DOT) APPROVED CONTAINERS AND DISPOSE OF IN FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. A VOID INHALATION AND SKIN EXPOSURE.

====== 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. MONITOR THE AIR QUALITY INSIDE THE WELDER'S HELMET, IF WORN, AND/OR THE WORKER'S BREATHING ZONE TO DETERMINE IF A RESPIRATOR (SUPPLEMENTAL SAFETY AND HEALTH)

Ventilation: USE ENOUGH VENTILATION WHEN CUTTING, GRINDING OR WELDING TO KEEP DUST, FUMES AND GASES FROM THE WORKER'S BREATHING ZONE AND (SUPPLEMENTAL SAFETY AND HEALTH)

Protective Gloves: IMPERVIOUS GLOVES.

Eye Prot

ection:USE OSHA APPROVED GOGGLES, GLASSES AND/OR FACE SHIELD (WORK HYGENIC PRACTICES)

Other Protective Equipment:ANSI APPROVED EYE WASH & DELUGE SHOWER.

PROTECTIVE CLOTHING: WEAR GLOVES AND FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO (SUPPLEMENTAL SAFETY AND HEALTH)

Work Hygienic Practices:EYE PROTECTION (CONT): WHEN CUTTING, GRINDING OR WELDING. IN ADDITION, WHEN HOT CUTTING OR WELDING, WEAR WELDING HELMET OR FACE SHIELD WITH FILTE

R LENS. SELECT WELDING LENS SHADE FROM AWS PUB F2.2.

Supplemental Safety and Health

RESP PROT (CONT): IS REQUIRED AND THE TYPE NEEDED. USE ONLY NIOSH APPROVED RESPIRATORS. VENTILATION (CONT): GENERAL AREA. KEEP EXPOSURE BELOW THE LIMITS SPECIFIED IN (INGREDIENTS AND REACTIVITY) SE CTIONS. OTHER PROT EQUIP (CONT): RADIATION WHEN HOT CUTTING OR WELDING. PROVIDE PROTECTIVE SCREENS TO SHIELD OTHERS.

============	Physical/Chemical Properties	=======================================
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HCC:T

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

======= MSDS Transport Information ==========

Transport Information:N/P. ECOLOGICAL INFO (CONT): GENERATED ARE DIFFERENT IN FORM FROM THE INGREDIEN

TS LISTED IN (INGREDIENTS)

SECTION. NEW COMPOUNDS NOT IN THE ELECTRODES MAY FORM. THE KNOWN GASES AND FUMES THAT MAY FORM DURING WELDING OR HOT CUTTING AND THEIR EXPOSURE LIMITS ARE NOTED IN THE FOLLOWING TABLE: ALUMINUM FUMES, CAS # 7429-90-5, PEL: 5 MG/M3, TLV: 5 MG/M3. CARBON MONOXIDE, CAS # 630-08-0, PEL: 55 MG/M3, CEILING LIMIT: 229 MG/M3, TLV: 29 MG/M3. CHROMIUM, CAS # 7440-47-3, PEL: 1 MG/M3, TLV: 0.5 MG/M3. CHROMIUM (CHROMATES), CAS # VARIES WITH COMPOUN D. PEL

CEILING: 0.1 MG/M3, TLV 0.05 MG/M3. (SARA III)

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

SARA Title III Information:N/P. TRANSPORT INFO (CONT): COBALT FUME (CO), CAS # 7440-48-4, PEL: 0.1 MG/M3, TLV: 0.05 MG/M3. COPPER FUME (CU), CAS # 7440-50-8, PEL: 0.1 MG/M3, TLV: 0.05 MG/M3. IRON OXIDE FUME (AS FE), CAS # 1309-37-1, PEL: 10 MG/M3, TLV: 5 MG/M3. MANGANESE FUME (MN), CAS # 7439-96-5, PEL CEILING: 5 MG/M3, TLV: 1 MG/M3. MOLYBDE

NUM (MO) (SOLUABLE), CAS # 7439-98-7, PEL: 5

MG/M3, TLV: 5 MG/M3. NICK EL (NI) (SOLUABLE), CAS # 7440-02-0, PEL: 0.5 MG/M3, TLV: 0.1 MG/M3. TUNSTEN (W) (SOLUABLE), CAS # 7440-33-7, PEL: 1 MG/M3, STEL: 3 MG/M3, TLV: 1 MG/M3. NITROGEN DIOXIDE, PEL CEILING: 9 MG/M3, TLV: 5.6 MG/M3. (FEDERAL REGS)

Federal Regulatory Information:N/P. SARA III (CONT): OZONE, CAS # 10028-15-6, PEL: 0.2 MG/M3, STEL: 0.6 MG/M3, TLV CEILING: 0.2 MG/M3. PHOSGENE, CAS # 75-44-5, PEL: 0.4 MG/M3. TLV: 0.4 MG/M3.

THE LIMIT FOR WELDING FUMES NOT OTHERWISE CLASSIFIED IS 5 MG/M3. SOME ELEMENTS OR COMPOUNDS WILL EXCEED THEIR PEL'S / TLV'S BEFORE THE TOTAL FUMES EXCEED 5 MG/M3.

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

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