View NSN Online: https://aerobasegroup.kr/nsn/3439-01-190-0661

ARCOS ALLOYS -- STAINLESS STEEL ALLOY, 309 -- 3439-01-190-0661

Product ID:STAINLESS STEEL ALLOY, 309 MSDS Date:06/08/1990 FSC:3439 NIIN:01-190-0661 MSDS Number: BVNGV === Responsible Party === Company Name: ARCOS ALLOYS Address:#1 ARCOS DRIVE City:MT CARMEL State:PA ZIP:17851 Country:US Info Phone Num:717-339-5200 Emergency Phone Num:800-424-9300(CHEMTREC) CAGE:GO 252 === Contractor Identification === Company Name: ARCOS ALLOYS Address:1 ARCOS DR Box:308 **City:MT CARMEL** State:PA ZIP:17851-0308 Country:US Phone:717-339-5200 CAGE:GO252 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

Ingred Name:CHROMIUM; (CR) CAS:7440-47-3 RTECS #:GB4200000 Fraction by Wt: 25% OSH A PEL:1 MG/M3 ACGIH TLV:0.5 MG/M3 EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

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

Ingred Name:NICKEL; (NI) (SARA III) CAS:7440-02-0 RTECS #:QR5950000 Fraction by Wt: 14% OSHA PEL:1 MG/M3 ACGIH TLV:1 MG/M3

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

Ingred Name:SUPDAT:WELDING/HOT CUTTING ARE: ALUMINUM FU MES, CARBON MONOXIDE, CHROMIUM, CHROMIUM (CHROMATES), COBALT FUME, (ING 6) RTECS #:9999999ZZ

Ingred Name:NG 5:COPPER FUME, IRON OXIDE FUME, MANGANESE FUME, MOLYBDENUM, NICKEL, TUNGSTEN, NITROGEN DIOXIDE, OZONE, PHOSGENE. RTECS #:9999999ZZ

Ingred Name:EXPLAN OF CARCIN:HUMAN/ANIMAL:LUNG CANCER, SKIN ULCERS. NICKEL:IARC MONOGRAPHS ON EVAL OF CARCIN RISK OF CHEMS TO(ING 8) RTECS #:9999999ZZ

Ingred Name:ING 7:MAN, VOL 49, PG 257, 1990:GRP 2B. NTP 6TH ANNUAL REPORT ON CARCINOGENS, 1

991:ANTICIPATED TO BE CARCINOGEN. (ING 9) RTECS #:99999992Z

Ingred Name:ING 8:HUMAN:LUNG, NASAL CAVITIES. RTECS #:99999992Z

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

Ingred Name:RESP PROT:WORN, &/OR WORKER'S BRTHG ZONE TO DETERMINE IF RESP IS REQUIRED & TYPE NEEDED. RTECS #:9999999ZZ

Ingred Name:VENT:KEEP EXPOSURE BELOW LIMITS SPECIFIED. RTECS #:99999992Z

Ingred Name:EYE PROT:WHEN CU TTING, GRINDING/WELDING. IN ADDN, WHEN HOT CUTTING/WELDING, WEAR WELDING HELMET & FACE SHIELD W/(ING 14) RTECS #:9999999ZZ

Ingred Name:ING 13:FILTER LENS. SELECT WELDING LENS SHADE FROM AWS PUBLICATION F2.2. RTECS #:9999999ZZ

Ingred Name:OTHER PROT EQUIP:SCREENS TO SHIELD OTHERS. RTECS #:99999992Z

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER. Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carc inogenicity: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 RAYS CAN INJURE EYES & BURN SKIN. DUST, FUMES & GASES CAN BE DANGEROUS TO YOUR HLTH. LUNG DMG MAY RSLT FROM O VEREXP. ACUTE:SHORT TERM EXPOS TO WELDING FUMES, GASES/DUST MAY RSLT IN DISCOMFORT SUCH AS DIZZ, NAUS, (EFTS OF OVEREXP)

Explanation of Carcinogenicity:CHROMIUM:IARC MONOGRAPHS, VOL 49, PG 49, 1990:GR

P 1. NTP 6TH ANNUAL RPT ON CARCINS, 1991:KNOWN TO BE CARCIN.
(ING 7) 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, HDCH, BRTHG DFCLTY, F REQUENT COUGH &/OR CHEST PAINS. SOME TOX GASES MAY CAUSE PULM EDEMA, ASPHY & EXCESSIVE EXPOS CAN BE FATAL. (ING 10)
Medical Cond Aggravated by Exposure:SOME WORKERS MAY EXPERIENCE
DISCOMFORT AT CONCS BELOW TLVS & OTHERS MAY BE AFFECTED BY A PRE-EXISTING CONDITION OR OTHER OCCUP ILLNESS BECAUSE OF THE WIDE VARIATION IN INDIVIDUAL SUSCEPTIBILITIES.
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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 DFCLT ADMIN OXYGEN. IF NOT BRTHG BEGIN ARTF RESP. IF NO DETECTABLE P ULSE BEGIN EXTERNAL HEART M ASSAGE. SKIN:WASH AFFECTED
AREA W/SOAP & WATER. EYES:FLUSH W/LG AMTS OF WATER FOR AT LST 15 MINS. INGEST:SEEK MED ATTN. IN ALL CASES, SEEK MED ATTN FOR FIRST AID.
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Flash Point:NONFLAMMABLE Extinguishing Media:MEDIA SUITABLE FOR SURROUNDING FIRE . Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . Unusual Fire/Explosion Hazard:ARCS, SPARKS & MOLTEN METAL CAN IGNITE FLAMMABLES & COMBUSTIBLES OR CAUSE EXPLOSIONS.
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Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUES & PLACE IN SUITABLE DOT APPROVED CONTAINERS. AVOID INHALATION & SKIN EXPOSURE.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
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Handling and Storage Presentions: DO NOT EXPOSE SKIN TO PADIATION WHEN

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

& SKIN EXPOSURE.

Other Precautions:REFER TO FOLLOWING SOURCES FOR ADDNL IMPORTANT INFO: ANSI Z49.1, AWS, P.O. BOX 351040, MIAMI, FL 33135 OR OSHA (29 CFR 1910) U.S. DEPT OF LABOR, WASHINGTON D.C. 20210.

Respiratory Protection:USE ONLY NIOSH/MSHA APPRVD RESPS. USE WELD FUME RESP/AIR SUPPLIED RESP WHEN CUTTING, GRINDING/WELDING IN CONFINED SPACE/WHERE LOC EXHST/GEN VENT DOSE NOT KEEP EXPOS BELOW REC LIMS. MON

ITOR AIR QUALITY INSIDE WELDER'S HELMET, IF (ING 11)

Ventilation:USE ENOUGH VENT WHEN CUTTING, GRINDING/WELDING TO KEEP DUST, FUMES & GASES FROM WORKERS BRTHG ZONE & GEN AREA. (ING 12) Protective Gloves:WELDER'S GLOVES.

Eye Protection: USE OSHA APPRVD GOGGS & FCSHLD (ING 13)

Other Protective Equipment: EMER EYE WASH & DELUGE SHOWER . WEAR FLAME RETARDANT CLTHG WHEN CUTTING, GRINDING/WELDING. PROVIDE PROT (ING 15)

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Saf

ety and Health

HAZ DECOMP PROD:CONTAMS IN ATM. DECOMP PRODS MAY INCL OXIDES OF METALS, CHROMATES & COMPLEX METALLICS. GASEOUS RXN PRODS MAY INCL CARBON MONOXIDE, OZONE & NITROGEN OXIDES. CHLORINATED SOLVS MAY BE DEC OMPOSED INTO TOX GASES SUCH AS PHOSGENE. FUMES & GASES MAY VARY IN FORM. KNOWN GASES & FUMES THAT MAY FORM DURING(ING 5)

Appearance and Odor:BARE FILLER METALS ARE A SOLID WIRE.

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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:COMPOSITION & QUALITY OF FUMES & GASES ARE DEPENDENT UPON METAL BEING WELDED, PROCS, PROCESSES, ELECTRODES USED,(SUPDAT)

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

## **REGULATIONS.**

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