View NSN Online: https://aerobasegroup.com/nsn/3439-00-606-5425

Product ID: HIGH PERFORMANCE ALLOY 188(1880) MSDS Date:11/01/1985 FSC:3439 NIIN:00-606-5425 MSDS Number: BPFYM === Responsible Party === Company Name: CABOT CORP ALUMINUM MASTER ALLOY BUSINESS UNIT Address:601 PENN ST Box:1296 City:READING State:PA ZIP:19601 Coun try:US Info Phone Num:215-921-5000 Emergency Phone Num:215-921-5000,CHEMTREC 800-424-9300 Preparer's Name:W.J. HETRICK CAGE:70787 === Contractor Identification === Company Name: ASTROLITE ALLOYS DIV OF ASTRO METALLUGICAL Address:709 VIA ALONDRA Box:City:CAMARILLO State:CA ZIP:93010-8714 Country:US Phone:805-484-3621 CAGE:2R602 Company Name: CABOT CORP ALUMINUM MASTER ALLOY BUSINESS UNIT Address:601 PENN ST Box:1296 City:READING State:PA ZIP:19601 Country:US Phone:215-921-5000,CHEMTREC 800-424-9300

## CAGE:70787

Ingred Name:NICKEL (SARA III) CAS:7440-02-0 RTECS #:QR5950000 Fraction by Wt: 22% Other REC Limits:NONE SPECIFIED OSHA PEL:1 MG/M3 ACGIH TLV:1 MG/M3; 9192

Ingred Name:COBALT (SARA III) CAS:7440-48-4 RTECS #:GF8750000 Fraction by Wt: 39% Other REC Limits:NONE SPECIFIED OSHA PEL:0.1 MG/M3;AS CO ACGIH TLV:0.05 MG/M3;DUST 9293

Ingred Name:CHROMIUM (SARA III) CAS:7440-47-3 RTECS #:GB4200000 Fraction by Wt: 22% Other REC Limits:NONE SPECIFIED OSHA PEL:1 MG/M3 ACGIH TLV:0.5 MG/M3; 9192 EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name:TUNGSTEN CAS:7440-33-7 RTECS #:YO7175000 Fraction by Wt: 14% Other REC Limits:NONE SPECIFIED OSHA PEL:5 MG/M3/ 10 STEL ACGIH TLV:5 MG/M3/10 STEL;9192

Ingred Name:IRON OXIDE CAS:1309-37-1 RTECS #:NO7400000 Fraction by Wt: 3.0% Other REC Limits:NONE SPECIFIED OSHA PEL:10 MG/M3 (FE) ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:SILICON CAS:7440-21-3 RTECS #:VW0400000 Fraction by Wt: 0. 35% Other REC Limits:NONE SPECIFIED OSHA PEL:15 MG/M3 TDUST ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:MANGANESE (SARA III) CAS:7439-96-5 RTECS #:OO9275000 Fraction by Wt: 1.25% Other REC Limits:1 MG/M3 FUMES OSHA PEL:(C) 5 MG/M3 DUST ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:LANTHANUM CAS:7439-91-0 Fraction by Wt: 0.07% Other REC Limits:NONE SPECIFIED

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

genicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:SHORT TERM EXPOSURE TO WELDING FUMES, GASES OR DUST MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA, FEVER, DRYNESS AND/OR IRRITATION OF NOSE, THROAT AND EYES. SKIN SENSITIVITY MAY ALSO BE NOTED. L ONG TERM EXPOSURE TO FUMES/GASES/DUST MAY CAUSE PULMONARY IRRITATION OR PNEUMOCONIOSIS; & SIDEROSIS FROM IRON FUMES.

Explanation of Carcinogenicity:NICKEL AND CHROMIUM ARE LISTED UNDER IARC AND NTP.

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cts of Overexposure:EXPOSURE TO WELDING FUMES MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA, FEVER, DRYNESS AND/OR IRRITATION OF NOSE, THROAT AND EYES. SKIN SENSITIVITY MAY ALSO BE NOTED. WATERY EYES, HEADACHE, BREA THING DIFFICULTY, FREQUENT COUGHING AND/OR CHEST PAINS MAY OCCUR FROM ACUTE EXPOSURE. TOXIC GASES CAN BE FATAL.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH IMPAIRED PULMONARY FUNCTION OR ILLNESS MAY HAVE SYMPTOMS EXACERBATED BY IRRITANTS CONT AINED IN WELDING FUMES.

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First Aid:IN CASE OF ELECTRICAL SHOCK, TURN OFF POWER PRIOR TO REMOVAL FROM EXPOSURE AREA AND ADMINISTRATION OF FIRST AID. REMOVE FROM EXPOSURE AREA AND CALL FOR MEDICAL AID. ADMINISTER OXYGEN IF BREATHING IS D IFFICULT. IF NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION. IF NO DETECTABLE PULSE, BEGIN EXTERNAL HEART MASSAGE. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CR OSS.

Extinguishing Media:NON-COMBUSTIBLE. FOR SURROUNDING FIRES, USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.

Unusual Fire/Explosion Hazard:WELDING OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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Spill Release Procedures: PICK UP RODS, CLEAN UP ANY GRINDING DUST OR WASTE RESIDUES AND PLACE IN SUITABLE CONTAINERS FOR DISPOSAL. WEAR DUST MASK AND GLOVES DURING CLEAN UP.

Handling and Storage Precautions:WEAR GLOVES AND FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING OR WELDING.

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her Precautions:PROVIDE PROTECTIVE SCREENS TO SHIELD OTHERS. WHEN ELECTRODES AND FLUXES ARE CONSUMED, THE FUME AND GAS DECOMPOSITION PRODUCTS GENERATED ARE DIFFERENT IN FORM FROM THE INGREDIENTS LISTED. NEW COMPOUNDS NOT IN THE ELECTRODES MAY FORM.

======= 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 GENER

AL VENTILATION DOES NOT KEEP EXPOSURE BELOW RECOMMENDED LIMITS. USE ONLY NIOSH APPROVED RESPIRATORS. Ventilation: USE ENOUGH VENTILATION WHEN CUTTING, GRINDING OR WELDING TO KEEP THE DUST, FUMES & GASES FROM THE WORKERS BREATHING ZONE Protective Gloves: FLAMEPROOF GAUNTLER GLOVES Eye Protection: OSHA APPROVED GOGGLES/FACE SHIELD W/LENS Other Protective Equipment: FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING OR WELDING. Work Hygienic Practices: WASH THOROUGHLY BEFORE EATING OR SMOKING. LAUNDER CONTAMINATIED CLOTHING BEFORE REUSE. Supplemental Safety and Health WELDING AND HOT CUTTING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. THEIR COMPOSITION AND QUANTITY ARE DEPENDENT ON THE METAL BEING WELDED, THE PROCEDURES, PROCESSES AND THE TYPE OF WIRE OR ELECTRODES USED. OTHER INFLUENCING FACTORS ARE THEPRESENCE OF CONTAMINANTS, CHLORINATED SOLVENTS MAY DECOMPOSE TO TOXIC GASES. \_\_\_\_\_ P 

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:2375F,1302C Solubility in Water:INSOLUBLE Appearance and Odor:ROD SHAPED

Stability Indicator/Materials to Avoid:YES STRONG ACIDS & ALKALIES. Stability Condition to Avoid:NONE Hazardous Decomposition Products:WELDING/CUTTING OPERATIONS MAY INCLUDE ELEMENTAL METALS, OXIDES OF THE METALS, FUMES/GASES & ELECTROMAGNETIC RADIATION.

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

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