View NSN Online: https://aerobasegroup.com/nsn/3439-01-347-4485

Product ID:ER80S-B2 MSDS Date:07/01/1993 FSC:3439 NIIN:01-347-4485 MSDS Number: BVYLV === Responsible Party === Company Name: HARRIS WELCO Address:1051 YORK RD **City:KINGS MOUNTAIN** State:NC ZIP:28086 Country:US Info Phone Num:800-424-9300(CHEMTREC) Emergency Phone Num:800-424-9300(CHEMTREC) CAGE:HO911 === Contractor Ide ntification === **Company Name: HARRIS WELCO** Address:1051 YORK RD Box:City:KINGS MOUNTAIN State:NC ZIP:28086 Country:US Phone:704-739-6421 CAGE:HO911 Company Name: THERMACOTE-WELCO CO SUB OF FOSTER WHEELER CORP Address:YORK RD Box:828 **City:KINGS MOUNTAIN** State:NC ZIP:28086 Country:US CAGE:24559

Ingred Name:IRON CAS:7439-89-6 RTECS #:NO4565500 Fraction by Wt: 90-99%

Ingred Name:MANGANESE (SARA III) CAS:7439-96-5 RTECS #:OO927500 0 Fraction by Wt: 0.5-2.0% OSHA PEL:5 MG/M3 ACGIH TLV:5 MG/M3, DUST

Ingred Name:SILICON CAS:7440-21-3 RTECS #:VW0400000 Fraction by Wt: 0.2-1.0% OSHA PEL:10 MG/M3 TDUST ACGIH TLV:10 MG/M3 TDUST

Ingred Name:CHROMIUM (SARA III) CAS:7440-47-3 RTECS #:GB4200000 Fraction by Wt: 0-6.0% OSHA PEL:1 MG/M3 ACGIH TLV:0.5 MG/M3 EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name:MOLYBDENUM CAS:7439-98-7 RTECS #:QA4680000 Fraction by Wt: 0-1.6% OSHA PEL:10 PPM ACGIH TLV:10 PPM

Ingred Name: VANADIUM (SARA III)

CAS:7440-62-2 RTECS #:YW1355000 Fraction by Wt: 0-.25%

Ingred Name:COBALT (SARA III) CAS:7440-48-4 RTECS #:GF8750000 Fraction by Wt: 0.-1.5% OSHA PEL:0.05 MG/M3 ACGIH TLV:0.05 MG/M3;DUST

Ingred Name:TUNGSTEN CAS:7440-33-7 RTECS #:YO7175000 Fraction by Wt: 7-10% OSHA PEL:5 MG/M3 ACGIH TLV:5 MG/M3

Ingred Name:GRAPHITE (NATURAL) CAS:7782-42-5 RTECS #:MD9659600 Fraction by Wt: 0.5% OSHA PEL:15 MPPCF ACGIH TLV:2 MG/M3 RDUST PRODS MAY INCL CARBON MONOXIDE & CARBON DIOXIDE. OZONE(SUPP DATA)

Ingred Name: ING 10: NITROGEN OXIDES MAY BE FORMED BY RADIATION FROM THE ARC, IN ADDITION TO SHIELDING GASES LIKE ARGON & (ING 12)

Ingred Name:ING 11: HELIUM WHENEVER THEY ARE EMPLOYED. ONE RECOMM WAY TO DETERMINE COMPOSITION & QTY OF FUMES & GASES TO (ING 13)

Ingred Name: ING 12: WORKERS ARE EXPOS IS TO TAKE AN AIR SAMPLE FROM INSIDE THE WORKERS BRTHG ZONE. SEE AWS F1.1 & AWS F1.2, (ING 14)

Ingred Name: ING 13: 2985

, AVAIL FROM AMERICAN WELDING SOCIETY. SEE AWS PUBL "FUMES & GASES IN THE WELDING ENVIRONMENT" & (ING 15)

Ingred Name: ING 14: "GASES IN THE WELDING ENVIRONMENT".

Ingred Name:VENT: GENERAL AREA. TRAIN WELDER TO KEEP HIS HEAD OUT OF THE FUMES.

Ingred Name:EYE PROT: WITH FILTER LENS. PROVIDE PROTECTIVE SCREENS & FLASH GOGGLES, IF NECESSARY TO SHIELD OTHERS.

Ingred Name:OTHER PROT EQUIP: LIVE ELECTRICAL PARTS & INSULATE HIMSELF FROM WORK & GROUND.

Ingred Name:EXPLAN OF CARCIN: CA RCINOGENIC. HUMAN/ANIMAL:LUNG CANCER, SKIN. COBALT: IARC MONOGRAPHS ON THE EVALUATION(ING 20)

Ingred Name: ING 19: OF CARCINOGENIC RISK OF CHEMICALS TO MAN, VOL 52, PG 363, 1991: GROUP 2B. ANIMAL: PULM FIBROSIS(BLOOD EFTS).

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER. Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:F

UMES & GASES CAN BE DANGEROUS TO YOUR

HEALTH. SHORT TERM OVEREXPOSURE MAY RESULT IN DIZZINESS, NAUSEA, OR DRYNESS OR IRRITATION OF NOSE, THROAT, & EYES. ARC RAYS CAN INJURE EYES & BURN SKIN. ELECTRIC SHOCK CAN KILL.HEAT RAYS (INFRARED RADIATION FLAME OR HOT METAL) CAN INJURE EYES.

Explanation of Carcinogenicity:CHROMIUM: IARC MONOGRAPHS, VOL 49, PG 49, 1990: GROUP 1. NTP 7TH ANNUAL REPORT ON CARCINOGENS, 1994: KNOWN TO BE(ING 19)

Effects of Overexposure:SEE HEALTH HAZARDS

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid:EYES: IMMED FLUSH W/POTABLE WATER FOR A MINIMUM OF 15 MINS. SEEK ASSISTANCE FROM MD. SKIN: FLUSH WITH COPIOUS AMOUNTS OF WATER. CALL MD. INGEST: GET MD IMMEDIATELY. INHAL: REMOVE TO FRESH AIR: SUPPORT BREATHING(GIVE O*2/ARTF RESP).

Extinguishing Media:USE MEDIA SUI TABLE FOR SURROUNDING FIRE. Fire Fighting Procedures:NON FLAMMABLE. WELDING ARC & SPARKS CAN IGNITE COMBUSTIBLES. WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:NO KNOWN HAZARD IF NORMAL SAFETY PRECAUTIONS.

Spill Release Procedures:NOT APPLICABLE. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handlin

g and Storage Precautions:NOT APPLICABLE. Other Precautions:NOT APPLICABLE.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING, BRAZING, OR SOLDERING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OF VENTILATION DOES NOT KEEP EXPOSURE BELOW T LV.

Ventilation: USE ENOUGH VENT, LOCAL EXHAUST AT THE ARC(OR FLAME) OR BOTH, TO KEEP FUMES & GASES FROM WORKERS BR

THG ZONE & (ING 16)

Protective Gloves:WELDER'S GLOVES RECOMMENDED.

Eye Protection: WEAR HELMET/USE FACE SHIELD(ING 17)

Other Protective Equipment: WEAR HAND & HEAD PROT WHICH HELP TO PVNT INJRY FROM RADIA, SPARKS & ELEC SHOCK. TRAIN WELDER NOT TO TOUCH (ING 18)

Work Hygienic Practices:NOT APPLICABLE.

Supplemental Safety and Health

HAZ DECOMP:LISTED. REASONABLY EXPECTED FUME CONSTITUENTS OF THIS PROD WOULD INCL - OXIDES OF IRON. SECONDARY COMPLEX OXIDES OF MANGANESE, SILICON, CHROMIU

M, MOLYBDENUM & VANADIUM. THE PRESENT OSHA PER MISSIBLE EXPOS LIMITS FOR HEXAVALENT CHROMIUM IS 0-05 MG/M3 WHICH WILL RSLT IN SIGNIFICANT REDUCTIONS FROM (ING 10)

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

Stability Indicator/Materials to Avoid:YES NOT APPLICABLE. Stability Condition to Avoid:NONE. Hazardous Decomposition Products:WHEN FILL ER METAL IS CONSUMED, FUME & GAS DECOMP PRODS GENERATED ARE DIFFERENT IN PERCENT & FORM FROM INGS (SUPP DATA)

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH FEDERAL, STATE & L OCAL REGULATIONS.

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