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

HARRIS WELCO -- ER80S-B2 -- 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 Iden

tification ===

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

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

Ingred Name:IRON CAS:7439-89-6

RTECS #:NO4565500 Fraction by Wt: 90-99%

Ingred Name: MANGANESE (SARA III)

CAS:7439-96-5

RTECS #: OO9275000

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

Ingred Name:SUPP DATA: THE 5 MG/M3 GENERAL FUME LEVEL. GASEOUS RXN

RODS 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: CAR

CINOGENIC. 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).

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

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:FU

MES & 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.

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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).
============ Fire Fighting Measures ============
Extinguishing Media:USE MEDIA SUIT ABLE 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.
========= Accidental Release Measures ==========
Spill Release Procedures:NOT APPLICABLE. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.
=========== Handling and Storage ============
Handling 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 BRT
HG 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 Hygippin Prostions:NOT APPLICABLE

Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

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, CHROMIUM

, 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)
========== Physical/Chemical Properties ============
Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.
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Stability Indicator/Materials to Avoid:YES NOT APPLICABLE. Stability Condition to Avoid:NONE. Hazardous Decomposition Products:WHEN FILLE R METAL IS CONSUMED, FUME & GAS DECOMP PRODS GENERATED ARE DIFFERENT IN PERCENT & FORM FROM INGS (SUPP DATA)
========= Disposal Considerations =============
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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