

HARRIS WELCO/THERMACOTE-WELCO CO -- STAINLESS STEEL BARE WIRE, AWS 308L --  
3439-00-511-9704

===== Product Identification =====

Product ID:STAINLESS STEEL BARE WIRE, AWS 308L

MSDS Date:07/01/1993

FSC:3439

NIIN:00-511-9704

MSDS Number: BXCNW

=== Responsible Party ===

Company Name:HARRIS WELCO/THERMACOTE-WELCO CO

Address:1051 YORK ROAD

Box:828

City:KINGS MOUNTAIN

State:NC

ZIP:28086

Country:US

Info Ph

one Num:704-739-6421

Emergency Phone Num:800-424-9300(CHEMTREC)

CAGE:JO222

=== Contractor Identification ===

Company Name:HARRIS WELCO/THERMACOTE WELCO

Address:1051 YORK RD

Box:828

City:KINGS MOUNTAIN

State:NC

ZIP:28086

Country:US

Phone:704-739-6421

CAGE:JO222

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:NO INGREDIE

# NT FOR THIS FORMULATION\_INGREDIENT

## ===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:ELECTRIC ARC-WELDING MAY CREATE FUMES/GASES CAN BE DANGEROUS. ARC RAYS CAN INJURE EYES & BURN SKIN. ELECTRIC SHOCK CAN KILL.  
Explanation of Carcinogenicity:PER MSDS:CARCINOGENIC:NA. HOWEVER CONTAINS NI,CR CMPDS WHICH ARE CARCINOGENIC.  
Effects of Overexposure:SHORT TERM TO WELDING FUMES: DIZZINESS, NAUSEA, DRYNESS & IRRITATION OF NOSE/EYES/THROAT, CHEST TIGHTNESS, FEVER, ALLERGIC REACTION. LONG TERM: SIDEROSIS, BELIEVED TO AFFECT PULMONARY FUNCTION.  
Medical Cond Aggravated by Exposure:PULMONARY FUNCTION.

## ===== First Aid Measures =====

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.  
WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL ATTENTION. INH ALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION.

## ===== Fire Fighting Measures =====

Flash Point:NONFLAMMABLE  
Lower Limits:NOT GIVEN  
Upper Limits:NOT GIVEN  
Extinguishing Media:NONE SPECIFIED BY MFG. HOWEVER USE APPROPRIATE EXTINGUISHING MEDIA FOR SURROUNDING FIRE.  
Fire Fighting Procedures:NONE SPECIFIED BY MFG. HOWEVER IF MATERIAL INVOLVE IN FIRE WE  
AR SELF-CONTAINED BREATHING APPARATUS AND  
PROTECTIVE EQPMT AS CONDITINS WARRANT.  
Unusual Fire/Explosion Hazard:WELDING ARC & SPARKS CAN IGNITE COMBUSTABLES/FLAMMABLES. REFER TO AMERICAN NAT STD Z49.1 FOR FIRE PREVENTION DURING WELDING & ALLIED PROCEDURES.

## ===== Accidental Release Measures =====

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## ===== Handling and Storage =====

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Handling and Storage Precautions:USE EXH SYS.MAKE SURE INHALED AIR DOES NOT CONTAIN FUME CONSTITUENTS ABOVE PEL.SEE AMER STD Z49.1-1983(SAF IN WELD/ CUT)& WELD HANDBOOK VOL1,CHAP 9.

Other Precautions:SEE AWS F1.1 & AWS F1.2-1985 FROM AMER WELDING SOC. SEE ALSO AWS PUBLICATION:"FUMES & GASES IN THE WELDING ENVRIO". ALL LITERTURE MENTIONED CAN BE OBTAIN FROM:AM WELDING SOC INC, 550 NW LEJUNE RD, POB 351040, MIAMI, FL 33135, 305-443-9353.

===== Exposur  
e Controls/Personal Protection =====

Respiratory Protection:USE RESPIRABLE FUME RESPIRATORY OR AIR SUPPLIED RESPIRATOR WHEN IN CONFINED SPACE OR LOCAL EXHAUST DOES NOT KEEP EXPOLUSRE BELOW RECOMMENDED EXPOSURE LIMIT.

Ventilation:USE ENOUGH LOC VENTILATION & LOCAL EXHAUST @ ARC TO KEEP FUMES/GASES FROM WORKER'S BREATHING ZONE & GENERAL AREA.

Protective Gloves:WELDERS GLOVES

Eye Protection:FACE SHIELD W/FILTER LENS/FLASH GOGGLES

Other Protective Equipment:HEAD/BODY PROTECTION TO PREVENT INJURY FROM RADIATION/SPAKRS/ELECTRIC SHOCK.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

DECOMP PRODUCTS: COMPOSITION/QUALITY DEPENDENT UPON METAL BEING WELDED, PROCESS, PROCEDURE, ELCTRODES, COMPONENTS/QUANTITIES BEING EXPOSED, METAL COATINGS, #/VOL OF WELDERS, AMOUNT/QUANTITY OF VENTILA TION, HEAD POSITION. RECOMMENDED TESTING WORK ATMOSPHERE. TRAIN WORKERS TO KEEP HEAD OUT OF FUMES.

===== Physical/Chemical Properties =====

HCC:N1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:NOT GIVEN

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NOT GIVEN

Appearance and Odor:BARE FILLER METALS ARE SOLID WIRE.

===== 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:(SEE SUPPLEM)REASONBLY EXPECTED

FUME:PRIMARY OXIDES OF FE,2ND OXIDES OF

CR,NI,MN,SI,MO.GAS:CO,CO2,OZONE,NITROGEN OXIDES.

===== Disposal Considerations =====

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING  
ENVIRO.DISCARD ANY PRODUCT RESIDUE,DISPOSABLE CNTNR OR LINER IN  
ENVIROM ACCEPTABLE MANNER,IN FULL COMPLA  
IANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS.

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