

THERMACOTE-WELCO CO SUB OF FOSTER WHEELER CORP -- ALUMINUM WIRE & CUT LENGTHS
(SUPPLEMENTAL FOR PN) -- 3439-01-323-9369

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

Product ID:ALUMINUM WIRE & CUT LENGTHS (SUPPLEMENTAL FOR PN)

MSDS Date:07/05/1990

FSC:3439

NIIN:01-323-9369

MSDS Number: BXXYW

=== Responsible Party ===

Company Name:THERMACOTE-WELCO CO SUB OF FOSTER WHEELER CORP

Address:1051 YORK ROAD

Box:828

City:KINGS MOUNTAIN

State:NC

ZIP:28086

Country:US

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

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

CAGE:24559

=== Contractor Identification ===

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:ALUMINUM (SARA 313)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 80-99.7%

Other REC Limits:NO

NE RECOMMENDED

OSHA PEL:15 MG/M3 DUST

ACGIH TLV:10 MG/M3 DUST; 9495

Ingred Name:CHROMIUM (SARA 313) (CERCLA), 0.05-4.36

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: SEE ING

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9495

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:COPPER (SARA 313) (CERCLA)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 0.2-4.7%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1MG/M3 FUME/1 DUST

DOT Rpt Qty:5000 LBS

Ingred Name:MANGANESE (SARA 313), 0.01-0.8
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: SEE ING
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9495

Ingred Name:SILICON, 0.05-13.0
CAS:7440-21-3
RTECS #:VW0400000
Fraction by Wt: SEE ING
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9495

Ingred Name:TITANIUM DIOXIDE, 0.01-0.2
CAS:13463-67-7
RTECS #:XR2275000
Fraction by Wt: SEE ING
Other REC Limits:N
ONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9495

Ingred Name:ZINC (SARA 313) (CERCLA), 0.05-0.25
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: SEE ING
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Health Hazards Acute and Chronic:ENTRY ROUTES:INGEST/SKIN:NOT
LIKELY.EYES:IRRIT WHEN WELD/PLASMA CUT.INHAL:NOT LIKELY UN

LESS MATL

MACHINE/WELD/REMELT.ZINC OXIDE FUME EXPO:ZN CHILLS(METAL FUME FEVER).RECOVERY USUALLY COMPLETE 24-48HRS .CU FUME OVEREXPO:UPPER RESP TRACT IRRIT.AL ALLOY WELD GENERATE CO/CO2/OZONE/NOX/IR&UV RADIATION/METAL FUMES.

Effects of Overexposure:EYE IRRIT, ZINC CHILLS (METAL FUME FEVER). UPPER RESP TRACT IRRITATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures
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First Aid:FOR SKIN CO

NTACT REMOVE PARTICLES BY THOROUGHLY WASHING

W/SOAP & WATER. FOR EYE CONTACT FLUSH W/WATER FOR @LEAST 15MINS.

GET MED ATTN IF IRRIT PERSISTS. FOR INHAL REMOVE FROM EXPOUSRE. GET MED ATTN IF EXPERIENCING BREATHING DIFFICULTY.

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Fire Fighting Measures
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Extinguishing Media:DRY POWDER OR SAND.

Fire Fighting Procedures:DO NTO USE WATER OR HALOGEN ON DUST FUMES.

Unusual Fire/Explosion Hazard:DAMP ALUMINUM DUST MAY SPONTANEOUSLY HEAT W/LIBER

ATION OF HYDROGEN TO FORM EXPLOSIVE AIR MIXTURES.

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Handling and Storage
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Handling and Storage Precautions:HALOGEN ACID & NAOH IN CONTACT W/AL

MAY GENERATE EXPLO MIXTURES IN AIR IN PRESENCE OF

BORMATES,IODATE,AMMONIUM NITRITE.

Other Precautions:FINELY DIVIDED AL WILL FORM EXPLO MIXTURE IN AIR &

W/HYDROGEN.REMELTING AL SCRAP,ENTRAPPED MOISTURE/PRESENCE OF STRONG

OXIDIZERS CAN CAUSE EXPLO.(REMOVE MOISTURE 1ST).DO NTO TOUCH CAST

AL M

ETAL/HEAT A L PROD W/O KNOWN TEMP-AL HAS NO (SUPPLE)

=====
Exposure Controls/Personal Protection
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Respiratory Protection:REQUIRED-DETERMINED BY NATURE OF PROCESSING ACTIVITY.

Ventilation:TO BE DETERMINED BY NATURE OF THE PROCESSING ACTIVITY BEING PERFORMED.

Protective Gloves:DETERMINED BY PROCESSING BEING PERFORMED

Eye Protection:DETERMINED BY PROCESSING BEING PERFORMED

Other Protective Equipment:APPROPRIATE PERSONAL PROTECTIVE EQPMT IS REQUIRED WHEN MELT/CAS

T/MACHINE/FORGE/OTHERWISE PROCESSING.

Work Hygienic Practices: APPROPRIATE PERSONAL PROTECTIVE EQPMT IS
REQUIRED WHEN MELT/CAST/MACHINE/FORGE/OTHERWISE PROCESSING.

Supplemental Safety and Health

PN: 4043, 1100, 2319, 4047, 8566, 5153, 6555, 5554, 5056, 6964, 6466. OTHER
PRECAUT: COLOR CHANGE DURING HEATING. BURN FROM HOT METAL. AL POWDER
MUST BE PKGED/SHIPP FLAMM SOLID UN1399. HARD ALLOY INGOTS IN
2000/7000 SERIES MUST BE STRESS RELIEVED. SOME ALSCRAP MAY HAVE
>1% OIL- MELTING GENERATE OIL VAP
: IRRIT EYE/RESP/SKIN.

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

HCC: N1

Melt/Freeze Pt: M.P/F.P Text: 950F, 510C

Spec Gravity: 2.5-2.9

Solubility in Water: NIL

Appearance and Odor: METALLIC APPEARANCE, NO ODOR.

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

Waste Disposal Methods: USED/UNUSED PRODUCT SHOULD BE TESTED TO
DETERMINE HAZRD STATUS & DISPOSAL REQMTS UNDER LOCAL, STATE AND
FEDERAL REGULATIONS.

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