

PERKIN-ELMER -- METCO SPRABRONZE AA WIRE -- 3439-01-362-7587

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Product Identification
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Product ID:METCO SPRABRONZE AA WIRE

MSDS Date:06/25/1993

FSC:3439

NIIN:01-362-7587

MSDS Number: BWCZX

=== Responsible Party ===

Company Name:PERKIN-ELMER

Address:1101 PROSPECT AVE

Box:1006

City:WESTBURY

State:NY

ZIP:11590-0201

Country:US

Info Phone Num:516-334-1300

Emergency Phone Num:800-424-9300 (CHE
MTREC)

CAGE:IO890

=== Contractor Identification ===

Company Name:METCO INC, SUB OF THE PERKIN-ELMER CORP

Address:1101 PROSPECT AVENUE

Box:City:WESTBURY

State:NY

ZIP:11590-2724

Country:US

Phone:516-334-1300

CAGE:39918

Company Name:PERKIN-ELMER

Address:1101 PROSPECT AVE

Box:1006

City:WESTBURY

State:NY

ZIP:11590-0201

Country:US

Phone:516-334-1300; 202-483-7616

CAGE:IO890

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Composition/Information on Ingredients
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Ingred Name:ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0

330000
Fraction by Wt: 9.5%
OSHA PEL:15MG/M3 DUST; 5 FUME
ACGIH TLV:10MG/M3 DUST

Ingred Name:IRON
CAS:7439-89-6
RTECS #:NO4565500
Fraction by Wt: 1%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 89.5%
OSHA PEL:0.1MG/M3 FUME;1 DUST
ACGIH TLV:0.2 MG/M3 FUME
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry:
Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES: IRRIT. SKIN: POSS IRRIT,
DISCOLORATION OF SKIN. INHAL: IRRIT, PNEUMOCONIOSIS. INGEST: POSS
IRRIT. ALUMINUM: INHAL MAY CAUSE PNEUMOCONIOSIS. PULM, SKIN & EYE
IRRITANT DUE TO ABRASIVE ACTION. UNDE R NORM USE/CNDTNS, ALUMINUM
OXIDE MAY BE FORMED. TARGET ORGAN:LUNGS, SKIN, EYES. IRON: INHAL
MAY CAUSE (EFTS OF OVEREXP)
Explanation of Carcinogenicity:NOT
RELEVANT
Effects of Overexposure:HLTH HAZ: SIDEROSIS (BENIGN PNEUMOCONIOSIS).
TARGET ORGAN: LUNGS. COPPER: INHAL MAY CAUSE IRRIT TO UPPER RESP
TRACT & NASAL MUC MEMB. SKIN CNTCT MAY CAUSE DISCOLORATION OF HAIR
& SKIN. EYE CNTCT MAY C AUSE IRRIT. TARGET ORGAN: RESP TRACT, SKIN,
EYES.
Medical Cond Aggravated by Exposure:CONSULT A PHYSICIAN.

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

First Aid:EYES: FLUSH WITH SUFFICIENT AMOUNTS OF WATER. IF IRRITATION

PERSISTS, CONSULT MD. SKIN: WASH WITH SOAP & WATER. INHALATION:
EXPOSE TO FRESH AIR. CONSULT MD IF IRRITATION OR RESPIRATORY
DISTRESS PERSISTS. INGESTION: CONSULT MD.

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

Flash Point:NONE

Extinguishing Media:CARBON DIOXIDE OR DRY CHEMICAL EXTINGUISHER; DO NOT
USE WATER.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT . TREAT AS A METALLIC FIRE.

Unusual Fire/Explosion Hazard:

MOD FIRE HAZ IN FORM OF DUST WHEN EXPOS
TO FLAME. ALUMINUM IS FLAMM SOLID; DO NOT EXPOSE TO WATER/MOISTURE.
IRON MAY IGNITE IF AIRBORNE IN PRESENCE OF (SUPDAT)

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

Spill Release Procedures:NOT APPLICABLE TO WIRE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE AWAY FROM INCOMPATIBLES. STORE
PROD CNTNRS IN WEL

L-VENT, CLEAN, COOL & DRY AREA. STORE IN MANNER
TO MINIMIZE PUNCTURES & BREAKAGE OF CONTAINERS.

Other Precautions:AVOID INGESTION, INHALATION AND EXCESSIVE SKIN
CONTACT. AVOID CONTACT OF POWDER WITH WATER AND OXIDIZERS.

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

Respiratory Protection:RESP APPRVD BY NIOSH/MSHA W/FILTER CARTRIDGES
APPRVD FOR DUST/FUMES/MISTS SHOULD BE WORN AT ALL TIMES DURING
THERMAL SPRAY PROCESS TO PROTECT OPERATOR FROM EXPOS TO DUST &

FUMES. RESP MAY ALSO BE WORN WHEN PROD HNDLG GENERATES DUST.

Ventilation:PRODUCT SHOULD BE USED WITH THE APPROPRIATE LOCAL EXHAUST
VENTILATION PROVIDED.

Protective Gloves:ALUMINIZED GLOVES DURING PLASMA (SUPDAT)

Eye Protection:RECOM SHADES: COMBUST SPRAYING (SUPDAT)

Other Protective Equipment:EAR PROT IS SUBJECTED TO EXCESS NOISE
LEVELS. ALUMINIZED APRON DURING PLASMA SPRAY PROCESS. OTHER APPROP
PROT (SUPDAT)

Work Hygienic Practices:EMERG EYE WASH AND DELUGE SHOWER WHICH MEETS

ANSI DESIGN CRITERIA .

Supplemental Safety and Health

EXPLO HAZ:IGNIT SOURCE. PROT GLOVES:SPRAY PROCESS. RUB/OTHER APPROP
GLOVES DURING OTHER PHASES OF PROD HNDLG. EYE PROT: SHADE #5,
PLASMA SPRAYING UP TO 40 KW SHADE #9, 40-60 KW SHADE #10 & > 60 KW
SHA DE #11. GOGG MAY BE APPROP DURING OTHERPHASES OF PROD HNDLG.
OTHER PROT EQUIP:CLTHG AS NEC TO AVOID EXCESS SKIN CNTCT.

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

Melt/Freeze Pt:M.P/F.P Text:1940F,1

060C

Spec Gravity:7.78 (H*2O=1)

Solubility in Water:NEGATIVE

Appearance and Odor:WIRE; NO ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

CHLORINE, TURPENTINE, OXIDIZERS, ACETYLENE, MAGNESIUM, ACTIVE METALS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:OZONE & NITRIC OXIDE ARE FORMED BY

PLASMA FLAME (SIMILAR TO WELDING FUMES). THIS ACTION IS INDEPENDENT
OF METAL POWDER.

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

Waste Disposal Methods:EMPTY PRODUCT CONTAINERS, PRODUCT WASTE AND
CLEANING MEDIA SHOULD BE STORED AND DISPOSED OF ACCORDING TO THE
APPROPRIATE LOCAL, STATE AND FEDERAL REGULATORY GUIDELINES.

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