

METCO INC.SUB OF THE PERKIN-ELMER CORP -- METCOLOY 5 WIRE -- 3439-01-212-0305
===== Product Identification =====

Product ID:METCOLOY 5 WIRE

MSDS Date:08/02/1991

FSC:3439

NIIN:01-212-0305

MSDS Number: BLNLQ

=== Responsible Party ===

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

Address:1101-PROSPECT AVE

City:WESTBURY

State:NY

ZIP:11590

Country:US

Info Phone Num:516-334-1300

Emergency Phone

Num:516-334-1300/CHEMTREC 800-424-9300

CAGE:LO223

=== 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:METCO INC.SUB OF THE PERKIN-ELMER CORP

Address:1101-PROSPECT AVE

City:WESTBURY

State:NY

ZIP:11590

Country:US

Phone:516-334-1300

CAGE:LO223

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

Ingred Name:MANGANESE (SAR

A III)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 8.5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
Fraction by Wt: 1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:CHROMIUM (SARA III)
CAS:7
440-47-3
RTECS #:GB4200000
Fraction by Wt: 18%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:IRON OXIDE
CAS:1309-37-1
RTECS #:NO7400000
Fraction by Wt: 67.5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:10 MG/M3 (FE)
ACGIH TLV:5 MG/M3(FE),B2; 9293

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports

of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE-INHALING NICKEL MAY CAUSE
CANCERS OF THE LUNG & NASAL SINUSES.INHALING CHROMIUM MAY CAUSE
IRRITATION AND/OR ULCERATION.INHALING MAGNESIUM OR IRON IS
HAZARDOUS.SKIN CONTACT WITH NICKEL MAY CAUSE DERMATITIS.CHROMIUM
MAY CAUSE SENSITIZATION.CHRONIC-INHALATION OF MAGNESIUM MAY CAUSE
NEUROLOGICAL IMPAIRMENT.

Explanation of Carcinogenicity:THIS MATERIAL CONTAIN NICKEL AND
CHROMIUM.

Effects

of Overexposure:INHALING NICKEL MAY CAUSE CANCERS OF THE LUNG &
NASAL SINUSES. INHALING CHROMIUM MAY CAUSE IRRITATION AND/OR
ULCERATION. INHALING MAGNESIUM OR IRON IS HAZARDOUS. SKIN CONTACT
WITH NICKEL MAY CAUSE DER MATITIS. CHROMIUM MAY CAUSE
SENSITIZATION. TARGET ORGANS: LUNGS, SKIN, CENTRAL NERVOUS SYSTEM,
RESPIRATORY SYSTEM.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS OR
IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE
EFFECTS OF
THESE MATERIALS.

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

First Aid:GET MEDICAL CARE IN ALL CASES.EYES:FLUSH WITH WATER FOR 15
MINUTES,HOLDING EYELIDS OPEN.SKIN:WASH WITH SOAP &
WATER.INHALATION:REMOVE TO FRESH AIR.PROVIDE CPR/OXYGEN IF
NEEDED.INGESTION:CALL A DOCTOR.

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

Flash Point:NONE

Extinguishing Media:USE CLASS D FIRE EXTINGUISHER. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. TREAT AS A METALLIC
FIRE.

Unusual Fire/Explosion Hazard:MODERATE FIRE HAZARD IN THE FORM OF DUST
WHEN EXPOSED TO FLAME. NICKEL AND SILICON ARE CLASSIFIED AS
FLAMMABLE SOLIDS.

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

Spill Release Procedures:NOT RELEVANT FOR WIRE.

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

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Handling and Storage Precautions: STORAGE-STORE IN A CLEAN, COOL, DRY AREA AWAY FROM INCOMPATIBLE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.
Other Precautions: NO FOOD, DRINK OR SMOKING IN WORK AREAS. WASH THOROUGHLY AFTER HANDLING. AVOID INGESTION, INHALATION AND EXCESSIVE SKIN CONTACT.

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

Respiratory Protection: A RESPIRATOR APPROVED BY NIOSH FOR DUST/FUMES/MISTS SHOULD BE WORN AT ALL TIME DURING THE THERMAL SPRAY PROCESS TO PROTECT OPERATOR FROM DUST AND FUMES. RESPIRATORS MAY ALSO BE WORN WHEN PRODUCT HANDLING GENERATES DUST.

Ventilation: LOCAL EXHAUST VENTILATION

Protective Gloves: ALUMINIZED GLOVES DURING ARC SPRAYING

Eye Protection: OSHA APPROVED GOGGLES

Other Protective Equipment: INSTALL EYE WASH STATION. EAR PROTECTION

MUST BE WORN DURING EXCESSIVE NOISE LEVELS. AN ALUMINIZED APRON WHILE SPRAYING.

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES

. DO NOT WEAR CONTAMINATED CLOTHING.

Supplemental Safety and Health

THE FOLLOWING LENS SHADES ARE RECOMMENDED FOR THE PROCESS INDICATED:

COMBUSTION SPRAYING SHADE 5, PLASMA SPRAYING UP TO 40 KW SHADE 10 AND GREATER THAN 60 KW SHADE 11. GOGGLES MAY BE APPROPRIATE DURING OTHER PHASES OF PRODUCT HANDLING.

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

HCC: N1

Melt/Freeze Pt: M.P/F.P Text: 2550F, 1399C

Spec Gravity: 7.8

Solubility in Water: NEGLIGIBLE

Appearance and Odor:

WIRE - NO ODOR

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

Stability Indicator/Materials to Avoid: YES

OXIDIZERS, ACID, SULFUR, NI(NO₃)₂, WOOD, COMBUSTIBLES

Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES

Hazardous Decomposition Products: OZONE AND NITRIC OXIDE ARE FORMED BY PLASMA FLAME (INDEPENDENT OF POWDER).

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

Waste Disposal Methods: EMPTY PRODUCT CONTAINERS, PRODUCT WASTE AND CLEANING M

EDIA SHOULD BE STORED AND DISPOSED OF IN ACCORDANCE WITH
FEDERAL, STATE & LOCAL REGULATIONS

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