

METCO INC, SUB OF THE PERKIN-ELMER CORP -- METCO 58NS, SP 9837 -- 3439-01-380-7146

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Product Identification  
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Product ID:METCO 58NS, SP 9837

MSDS Date:08/05/1994

FSC:3439

NIIN:01-380-7146

MSDS Number: BXPWL

=== Responsible Party ===

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

Address:1101 PROSPECT AVENUE

Box:1006

City:WESTBURY

State:NY

ZIP:11590-0201

Country:US

Info Phone Num:516

-334-1300

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

CAGE:39918

=== 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

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Composition/Information on Ingredients  
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Ingred Name:COPPER (SARA 313) (CERCLA)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 59%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0

.2 MG/M3 FUME; 9495  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:NICKEL (SARA 313) (CERCLA)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 36%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9495

Ingred Name:INDIUM  
CAS:7440-74-6  
RTECS #:NL1050000  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1 MG/M3  
ACGIH TLV:0.1 MG/M3; 9495

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:COPPER:INHAL/SKIN/EYE HAZ.IRRIT UPPER  
RESP TRACT & NASAL MUC MEMB.DISCOLORATION OF HAIR & SKIN.IRRIT EYE.  
NICKEL:INHAL/SKIN HAZ.INHAL MAY CAUSE CANCER OF LUNG & NASAL  
SINUSES,DERM. INDIUM:NO REPORTED HUMAN ILLNESS FRM INDUSTRIAL  
EXPOSURES.

Explanation of Carcinogenicity:PER MSDS:NICKEL IS FOUND TO BE POTENTIAL  
CARCINOGEN IN IARC & LISTED IN NTP.

Effects of Overexposure:UPPER RESP  
TRACT & NASAL MUCOUS MEMBRANES  
IRRIT. DISCOLORATION OF HAIR & SKIN. EYE IRRIT. CANCERS OF LUNG &  
NASAL SINUSES. DERMATITIS.

Medical Cond Aggravated by Exposure:CONSULT A PHYSICIAN. TARGET  
ORGANS:COPPER:RESP TRACT, SKIN, EYE; NICKEL:RESP TRACT,SKIN;  
INDIUM:NONE.

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

First Aid:EYE:FLUSH W/WATER FOR @LEAST 15-20MINS OPENING EYELIDS. IRRIT  
PERSISTS CONSULT PHYSICIAN. SKIN:WASH W/SOAP/WATER. INHAL:EXPO TO  
FRESH

AIR. CONSULT PHYSICIAN IF IRRIT/RESP DISTRESS PERSISTS.  
INGEST:CONSULT PHYSICIAN.

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

Flash Point:NONE

Extinguishing Media:USE CLASS D FIRE EXTINGUISHER.

Fire Fighting Procedures:TREAT AS METALLIC FIRE. USE NIOSH/MSAH  
APPROVED SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE  
CLOTHING IF INVOLVED IN FIRE.

Unusual Fire/Explosion Hazard:FINE METAL DUSTS FLAMM AND MAY EXPLO WHEN  
EXPO TO HEAT/FLAME/STRONG OXIDIZE  
RS.

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

Spill Release Procedures:VACUUM LOOSE POWDER ONLY W/VACUUMS EQUIPPED  
W/HEPA FILTRATION. VACUUMS APPROPRIATE FOR USE W/METALLIC DUSTS  
SHOULD BE UTILIZED. WIPE AREA CLEAN. DO NOT USE WATER FOR CLEAN UP  
OPERATIONS. DO NOT SWEEP. AVOID GENERATING AIRBORNE DUST.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:S

TOR AWAY FRM INCOMPATIBLES.STORE

CNTNRS IN WELL-VENTILATED CLEAN COOL DRY AREA.STORE IN MANNER TO  
MIN PUNCTURES & BREAKAGE OF CNTNRS.

Other Precautions:AVOID INGEST/INHAL/EXCESSIVE SKIN CONTACT. AVOID  
CONTACT OF POWDER W/WATER & OXIDIZERS. GOGG:LENS SHADES:COMBUST  
SPRAY SHADE #5,PLASMA SPRAY UP TO 40KW SHADE #9,40-60KW SHADE  
#10,>60KW SHADE #11.

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

Respiratory Protection:A RESPIRATOR APPROVED BY NIOSH W/FILTE

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CARTRIDGES APPROVED FOR DUST/FUMES/MISTS SHOULD BE WORN @ALL TIMES  
DURING THERMAL SPRAY PROCESS TO PROTECT OPERATOR FRM EXPO TO  
DUST/FUMES.RESP MAY ALSO BE WORN WHEN PROD HNDLG GENERATES DUST.

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

Protective Gloves:ALUMINIZED-PLASMA SPRAY;RUBB-OTHER.

Eye Protection:GOGGLES. (SEE OTHER PRECAUTIONS)

Other Protective Equipment:EAR PROT FOR EXCESS NOISE LEVEL.ALUMINIZED  
APRON FOR PLASMA SPRAY.O

OTHER APPROXIMATE PROPERTIES AS  
NECESSARY. EYE WASH. WASH FACILITY  
Work Hygienic Practices: WASH WELL AFTER HANDLING.  
Supplemental Safety and Health

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

HCC:N1  
Melt/Freeze Pt: M.P/F.P Text: 2000F, 1093C  
Spec Gravity: 3.7  
Solubility in Water: NEGATIVE  
Appearance and Odor: POWDER, NO ODOR.

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

Stability Indicator/Materials to Avoid: YES  
OXIDIZERS, ACIDS, SULFUR, NI(NO<sub>3</sub>)<sub>2</sub>, COMBUSTIBLE  
S.  
Stability Condition to Avoid: AVOID CONTACT OF POWDER WITH WATER &  
OXIDIZERS.  
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 PROD CONTAINERS, PROD WASTE & CLEANING MEDIA  
SHOULD BE STORED & DISPOSED OF ACCORDING TO APPROPRIATE  
LOCAL/STATE/FED REGULATORY GUIDELINES. CONTAINS CO/NI: SUB  
TO  
REPORTING REQUIREMENTS OF SARA SEC 313; NI: LISTED IN HAZARDOUS AIR POLLUTANTS EPA  
CLEAN AIR ACT.

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