

METCO INC, SUB OF THE PERKIN-ELMER CORP -- METCO 605NS, ALUMINUM-BRONZE POLYESTER COMPOSITE POWDER -- 3439-01-380-7198

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

Product ID:METCO 605NS, ALUMINUM-BRONZE POLYESTER COMPOSITE POWDER

MSDS Date:05/07/1993

FSC:3439

NIIN:01-380-7198

MSDS Number: BYSHC

=== Responsible Party ===

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

Address:1101 PROSPECT AVENUE

City

:WESTBURY

State:NY

ZIP:11590-2724

Country:US

Info Phone Num:516-334-1300

Emergency Phone Num:202-483-7616/800-424-9300(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

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

Ingred Name:COPPER (SARA 313) (CERCLA)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 80%

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:ALUMINUM (SARA 313)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 9%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 DUST

ACGIH TLV:10 MG/M3 DUST; 9495

Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

Fraction by Wt: 1%

Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:CU:INHAL/SKIN/EYE HAZ.MAY CAUSE UPPER
RESP TRACT/NASAL MUC MEMB IRRIT.SKIN CONTACT DISCOLORATION OF
HAIR/SKIN.IRRIT EYES.AL:INHAL/SKIN/EYE

HAZ.PNEUMOCONIOSIS.PULM/SKIN/EYE IRRIT DUE TO ABRASIVE ACTION.
UNDER NORMAL USE/CONDITIONS,AL

203 MAY FORM.FE:INHAL

HAZ.SIDEROSIS(BENIGN

PNEUMOCONIOSIS).POLYESTER:INHAL/SKIN/EYE(SUPPL)

Effects of Overexposure:EYE IRRIT, POSSIBLE SKIN IRRIT, INHAL IRRIT,
PNEUMOCONIOSIS, POSSIBLE INGEST IRRIT.

Medical Cond Aggravated by Exposure:CONSULT A PHYSICIAN. TARGET
ORGANS:RESP TRACT, LUNGS, EYES, SKIN.

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First Aid Measures
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First Aid:EYE:FLUSH W/SUFFICIENT AMTS OF WATER.IF IRRIT PERSISTS
CONSULT PHYSICIAN. SKIN:WASH W/SOAP/WATER.

INHAL:EXPOSE TO FRESH

AIR.CONSULT PHYSICIAN IF IRRIT OR RESPIRATORY DISTRESS PERSISTS.

INGEST:CONSULT PHYSICIAN.

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Fire Fighting Measures
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Flash Point:NONE

Extinguishing Media:USE CLASS D EXTINGUISHERS.

Fire Fighting Procedures:TREAT AS METALLIC FIRE.

Unusual Fire/Explosion Hazard:FINE METAL DUSTS FLAMM;MAY EXPLO WHEN
EXPO TO HEAT/FLAME/OXIDIZERS.ALUMINUM FLAMM SOLID;DO NOT EXPO TO
WATER/MOISTURE.IRON MAY IGN IF AIRBORNE W/IGN SOURCE.

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Accidental Release Measures
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Spill Release Procedures:VACUUM LOOSE POWDER ONLY W/VACUUMS EQUIPPED
W/HEPA FILTRATION. VACUUMS APPROPRIATE FOR USE W/METALLIC DUST
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.

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Handling and Storage
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Handling and Storage Precautions:STORE

AWAY FROM INCOMPATIBLES.STORE

PROD CONTNRS IN WELL-VENTI,CLEAN,COOL,DRY AREA.STORE IN MANNER TO MINIMIZE PUNCTURES/BREAKAGE OF CNTNRS.

Other Precautions:AVOID INGEST/INHAL/EXCESSIVE SKIN CONTACT.AVOID CONTACT OF POWDER W/WATER/OXIDIZERS.GOGG:COMBUST SPRAY SHADE#5,PLASMA SPRAY UP TO 40KW SHADE#9,40-60KW SHADE#10,>60KW SHADE#11.GOGG MAY BE APPROPRIATE D URING OTHER PHASES OF PROD HNDLG.

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

Respiratory Protection:

RESPIRATOR APPROVED BY NIOSH W/FILTER CARTRIDGES APPROVED FOR DUST/FUME/MISTS SHOULD BE WORN AT ALL TIMES DURING THERMAL SPRAY PROCESS TO PROTECT OPERATOR FROM EXPO TO DUST/FUMES.RESP MAY ALSO BE WORN WHEN PRODUCT HDNGL GENERATES DUST.

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

Protective Gloves:ALUMINIZED GLOVE-PLASMA SPRAY,RUBB-OTHER

Eye Protection:(SEE OTHER PRECAUTION SECITON OF MSDS.)

Other Protective Equipment:EAR PROT-EX

CESS NOISE LEVELS.AL APRON-PLASMA

SPRAY PROCESS.OTHER APPRO PROT CLOTH AS NECESSARY-PROD HDLG EXCESS (SUPPLE)

Work Hygienic Practices:WASH HANDS AFTER HANLDING.

Supplemental Safety and Health

HEALTH HAZ:HAZ.IRRIT AS NUISANCE DUST. OTHER PROT EQPT:SKIN CONTACT.EYEWASH STATION,WASH FACILITIES.

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:1100F,593C

Solubility in Water:NEGLIGIBLE.

Appearance and Odor:POWDER, NO ODOR.

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

Stability Indicator/Materials to Avoid:YES OXIDIZERS, ACIDS, SULFUR, NI(NO3)2, COMBUSTIBLES.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:OZONE & NITRIC OXIDE FORMED BY PLASMA FLAME(SIMILAR TO WELDING FUMES).THIS ACTION IS INDEPENDENT OF POWDER.

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

Waste Disposal Methods:EMPTY PRODUCT CNTNRS/PROD WASTE/CLEANING ME

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SHOULD BE STORED & DISPOSE OF ACCORDING TO APPROPRIATE
LOC/STATE/FED REGULATORY GUIDELINES.

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