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Product ID:METCO 461 MSDS Date:01/18/1988

FSC:3439

NIIN:01-373-5884

MSDS Number: BLQGX === Responsible Party ===

Company Name: METCO/DIVISION OF PERKIN ELMER

Address:1101 PROSPECT AVENUE

City:WESTBURY

State:NY

ZIP:11590-2724

Info Phone Num:(516) 334-1300

Emergency Phone Num: (516) 334-1300

CAGE:NO538

=== 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/DIVISION OF PERKIN ELMER

Address:1101 PROSPECT AVENUE

City:WESTBURY

State:NY

ZIP:11590-2724

Phone:(516) 334-1300

CAGE:NO538

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

Ingred Name: ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0330000

OSHA PEL:15MG/M3 DUST/5 FUME ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name: COBALT (SARA II

I)
CAS:7440-48-4
RTECS #:GF8750000
Other REC Limits:0.05 PPM
OSHA PEL:0.1 MG/M3;AS CO
ACGIH TLV:0.05 MG/M3;DUST 9293

Ingred Name:YTTRIA CAS:1314-36-9 RTECS #:ZG3850000 OSHA PEL:1 MG/CUM ACGIH TLV:1 MG/CUM

Ingred Name:SILICON CAS:7440-21-3

RTECS #:VW0400000

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:MANGANESE (SARA III)

CAS:7439-96-5

RTECS #: OO9275000

OSHA PEL:(C) 5 MG/M3 DUST ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name: CHROMIUM (SARA III)

CAS:7440-47-3

RTECS #:GB4200000

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 OSHA PEL:10 MG/M3 (FE)

ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name: NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000

Other REC Limits: 1 MG/CUM

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

Ingred Name: ORGANIC BINDER

OSHA PEL:10 MG/CUM ACGIH TLV:10 MG/CUM

Routes of Entry: Inhalation:YES Skin:YES

Ingestion:YES Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO Health Hazards Acute and Chronic:INHALATION: ASTHMA ALLERGIC, NASAL CAVITIES EFFECTS, DIFFUSE NODULAR FIBROSIS, COUGH, DYSPNEA, DECREASE IN PULMONARY FUNCTION, LOW WEIGHT, LUNG, & LIVER DAMAGE SHAVERS DISEASE, PRELIMINARY FIBROSIS, ALZHEIMERS DISEASE, RESPIRATORY HYPERSENSITIVITY. SKIN: DERMATITIS, & IRRITATION. EYES: IRRITATION.	Ε,
Explanation of Carcinogenicity:NICKEL, CHROMIUM & COBALT ALLOYS ARE SUS	
PECTED HUMAN & ANIMAL CARCINOGENS BY ACGIH. Effects of Overexposure:INHALATION: PARKINSON'S DISEASE, ASTHENIA, INSOMNIA, METAL FUME FEVER, DRY THROAT, TIGHT CHEST, RALES, LOW BACK PAIN, VOMIT, FATIGUE, BLOOD/KIDNEY EFFECTS, FIBROTIC PNEUMOCONIOSIS & BENIGN PNEUMONCONI OSIS. EYES: IRRITATION. SKIN: DERMATITIS, & IRRITATION.	
Medical Cond Aggravated by Exposure:N/K .	
======================================	
First Aid:EYES: FLOOD W /WATER. SKIN: WASH W/SOAP & WATER TO REMOVE POWDER. INHALATION: REMOVE TO FRESH AIR. INGESTION: OBTAIN MEDICAL ATTENTION IN ALL CASES.	L
============= Fire Fighting Measures =============	
Flash Point:NONE Extinguishing Media:USE CLASS D FIRE EXTINGUISHER. Fire Fighting Procedures:TREAT AS A METALLIC FIRE. Unusual Fire/Explosion Hazard:MODERATE FIRE HAZARD IN THE FORM OF DUST WHEN EXPOSED TO FLAME.	
========= Accidental Release Measures ===========	
Spill Release Procedures:MATERIAL THAT IS SPILLED ONTO THE FLOOR MAY BECOME AIRBORNE BY NORMAL PLANT ACTIVITY. GOOD HOUSEKEEPING, BY	<b>′</b>

SWEEPING THE AREA CLEAN, IS NECESSARY TO REMOVE THESE MATERIALS

Other Precautions: AVOID THE EFFECT OF DUST, FUMES, & MIST WHICH MAY BE

Handling and Storage Precautions: AVOID EXCESSIVE CONTACT W/SKIN &

FROM BECOMING A SOURCE OF AIR CONTAMINATION.

INGESTION. AVOID INHALATION.



CHLORINATED HYDROCARBON VAPORS Stability Condition to Avoid:PLASMA FLAME

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & **FEDERA** 

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

L REGULATIONS.

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