

METCO INC, SUB OF THE PERKIN-ELMER CORP -- 71VFNS -- 3439-01-391-8631

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

Product ID:71VFNS

MSDS Date:03/10/1993

FSC:3439

NIIN:01-391-8631

MSDS Number: BYRXR

=== 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 N

um: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:TUNGSTEN CARBIDE

CAS:12070-12-1

RTECS #:YO7250000

Fraction by Wt: 97.5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG W/M3

ACGIH TLV:5 MG W/M3

Ingred Name:COBALT (SARA 313)

CAS:7

440-48-4
RTECS #:GF8750000
Fraction by Wt: 11.5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.02 MG/M3; A3; 9495

Ingred Name:IRON
CAS:7439-89-6
RTECS #:NO4565500
Fraction by Wt: 1.0%
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION MAY CAUSE RESPIRATORY TRACT
IRRITA
TION, PNEUMOCOIOSIS. CONTACT MAY CAUSE IRRITATION;
DERMATITIS. INGESTION-NO DATA GIVEN. TARGET ORGANS: LUNGS, SKIN,
EYES.
Explanation of Carcinogenicity:COBALT IS FOUND IN OTHER SOURCES TO BE A
KNOWN CARCINOGEN BUT IS NOT LISTED BY IARC OR NTP OR OSHA AS SUCH.
Effects of Overexposure:INHALED-IRRITATION. SKIN-IRRITATION.
EYES-IRRITATION.
Medical Cond Aggravated by Exposure:CONSULT A PHYSICIAN.

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

First Aid:EYES-FL
USH WITH WATER. CONSULT A PHYSICIAN IF IRRITATION
PERSISTS. SKIN-WASH WITH SOAP & WATER. INHALED-REMOVE TO FRESH AIR.
SEE PHYSICIAN IF IRRITATION OR RESPIRATORY DISTRESS PERSISTS.
INGESTED-CONS ULT A PHYSICIAN.

===== 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:FINE METAL DUSTS ARE FLAMMABLE AND MAY
EXPLODE WHEN EX

POSED TO HEAT, FLAME OR OXIDIZERS.

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

Spill Release Procedures:VACUUM LOOSE POWDER ONLY WITH VACUUM EQUIPPED WITH HEPA FILTER. VACUUMS APPROPRIATE FOR METALLIC DUSTS SHOULD BE USED. 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:STORE AWAY FROM INCOMPATIBLE MATERIALS. STORE PRODUCT CONTAINERS IN A WELL-VENTILATED, DRY, CLEAN, COOL AREA. STORE TO MINIMIZE SPILLAGE & BREAKAGE.

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

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

Respiratory Protection:A RESPIRATOR APPROVED BY NIOSH W/FILTER CARTRIDGES APPROVED FOR DUST/FUMES/MISTS SHOULD BE WORN AT ALL TIMES DURING THERMAL SPRAY PROCESS TO PROTECT OPERATOR FROM EXPOSURE TO DUST/FUMES.

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

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

Eye Protection:WELDERS GOGGLES W/LENSES.

Other Protective Equipment:WASH FACILITIES ARE RECOMMENDED.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:2200F,1204C

Spec Gravity:4.5-6.3

Appearance and Odor:POWDER, NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

OXIDIZERS, ACIDS, SULFUR, NICKEL NITRATE, COMBUSTIBLES.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:OZONE & NITRIC OXIDE ARE FORMED BY PLASMA FLAME

ME (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 LOCAL,
STATE AND FEDERAL REGULATIONS.

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