

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: BYR XR

=== 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;RUBB-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.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of
America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.