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METCO INC, SUB OF THE PERKIN-ELMER CORP -- 202NS -- 3439-01-382-1259

Product ID:202NS

MSDS Date:08/27/1992

FSC:3439

NIIN:01-382-1259

MSDS Number: BYRWZ === 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

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

Ingred Name:ZIRCONIUM

CAS:7440-67-7

RTECS #:ZH7070000 Fraction by Wt: 77%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3/10 STEL;9495

Ingred Name:YTTRIUM OXIDE

CAS:1314-36-

RTECS #:ZG3850000 Fraction by Wt: 20%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:1 MG/M3 (Y) ACGIH TLV:1 MG/M3 (Y)

Ingred Name: ORGANIC BINDER

Fraction by Wt: 1.5%

Other REC Limits: NONE RECOMMENDED

Ingred Name: HAFNIUM DIOXIDE

CAS:12055-23-1 Fraction by Wt: 1.5%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:0.5 MG/M3 AS HF ACGIH TLV:0.5 MG/M3 AS HF

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

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

Reports of Carcinogenic

ity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION MAY CAUSE RESPIRATORY TRACT IRRITATION. SKIN AND EYE CONTACT MAY CAUSE IRRITATION; DERMATITIS. INGESTION-NO DATA GIVEN. YTTRIUM MAY BE TOXIC TO LIVER AND BLOOD CLOTTING MECHANISM. TARGET OR GANS: LIVER, RESPIRATORY TRACT, BLOOD FORMING ORGANS, SKIN, EYES.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overe

xposure:INHALED-IRRITATION. SKIN-IRRITATION.

EYES-IRRITATION.

Medical Cond Aggravated by Exposure: CONSULT A PHYSICIAN.

First Aid:EYES-FLUSH 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.

Flash Point:NONE Extinguishing Media:USE A CLASS D EXTINGUISHER. Fire Fighting Procedures:NONE. Unusual Fire/Explosion Hazard:MODERATE FIRE HAZARD IN THE FORM OF DUST WHEN EXPSOED TO FLAME.
======== 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. AV
OID GE NERATING AIRBORNE DUST. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.
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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 Contr ols/Personal Protection ========
Respiratory Protection:A RESPIRATOR APPROVED BY NIOSH W/FILTER CARTRIDGES APPROVED FUR 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 RECO MMENDED. Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE. Supplemental Safety and Health
========= Physical/Chemical Properties ==========
HCC:N1 Melt/Freeze Pt:M.P/F.P Text:4200F,2316C Spec Gravity:2 Solubility in Water:NEGLIGIBLE Appearance and Odor:POWDER, NO ODOR.

Stability Indicator/Materials to Avoid:YES NONE. St

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

ability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:OZONE & NITRIC OXIDE ARE FORM BY
PLASMA FLAME (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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