

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

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

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-

9
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 Carcinogenicity: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 Overexposure:INHALED-IRRITATION. SKIN-IRRITATION. EYES-IRRITATION.
Medical Cond Aggravated by Exposure:CONSULT A PHYSICIAN.

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

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.

===== Fire Fighting Measures =====

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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.

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

Stability Indicator/Materials to Avoid:YES
NONE.
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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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