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METCO INC, SUB OF THE PERKIN-ELMER CORP -- 203-NS YTTRIA STABILIZED ZIRCONIA POWDER -- 3439-01-382-0967

Product ID:203-NS YTTRIA STABILIZED ZIRCONIA POWDER

MSDS Date:07/19/1991

FSC:3439

NIIN:01-382-0967

MSDS Number: BYRWW === Responsible Party ===

Company Name: METCO INC, SUB OF THE PERKIN-ELMER CORP

Address:1101 PROSPECT AVENUE

Box:1006

City:WESTBURY

State:NY

ZΙ

P: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: 92%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3/10 STEL;9495 Ingred Name:YTTRIUM CAS:7440-65-5 RTECS #:ZG2980000 Fraction by Wt: 8% Other REC Limits: NONE RECOMMENDED OSHA PEL:1 MG/M3 ACGIH TLV:1 MG/M3; 9495 Ingred Name: ORGANIC BINDER 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 ITATION. 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: LUNGS, 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:EYES-FLUSH WITH WATER. CONSULT A PHYSICIAN IF IRRITATION SEE PHYSICIAN IF IRRITATION OR RESPIRATORY DISTRESS PERSISTS. INGESTED-CONS ULT A PHYSICIAN.

PERSISTS. SKIN-WASH WITH SOAP & WATER. INHALED-REMOVE TO FRESH AIR.

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

Flash Point:NONE Extinguishing Media: NON-FLAMMABLE. Fire Fighting Procedures: NONE. Unusual Fire/Explosion Hazard:NONE.

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======= 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 GE NERATING AIRBORNE DUST. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.
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Handling and Storage Precautions:STORE AWAY FROM IN COMPATIBLE 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 FUR DUST/FUMES/MISTS SHOULD BE WORN AT ALL TIMES DURING THERMAL SPRAY PR OCESS 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. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE. Supplemental Safety and Health
========= Phys ical/Chemical Properties ==========
HCC:N1 Melt/Freeze Pt:M.P/F.P Text:4200F,2316C Spec Gravity:2.1 Solubility in Water:NEGLIGIBLE Appearance and Odor:POWDER, NO ODOR.
Stability and Reactivity Data

Stability Indicator/Materials to Avoid:YES

NONE.

Stability 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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