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METCO INC, SUB OF THE PERKIN-ELMER CORP -- METCO 201B-NS-1 ZIRCONIUM OXIDE POWDER -- 3439-01-391-8640

Product ID:METCO 201B-NS-1 ZIRCONIUM OXIDE POWDER

MSDS Date:05/05/1993

FSC:3439

NIIN:01-391-8640

MSDS Number: BYSHV === Responsible Party ===

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

Address:1101 PROSPECT AVENUE

City:WESTBURY

State:NY

ZIP:11590-2724

C

ountry:US

Info Phone Num:516-334-1300

Emergency Phone Num:202-483-7616/800-424-9300(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 OXIDE

CAS:1314-23-4

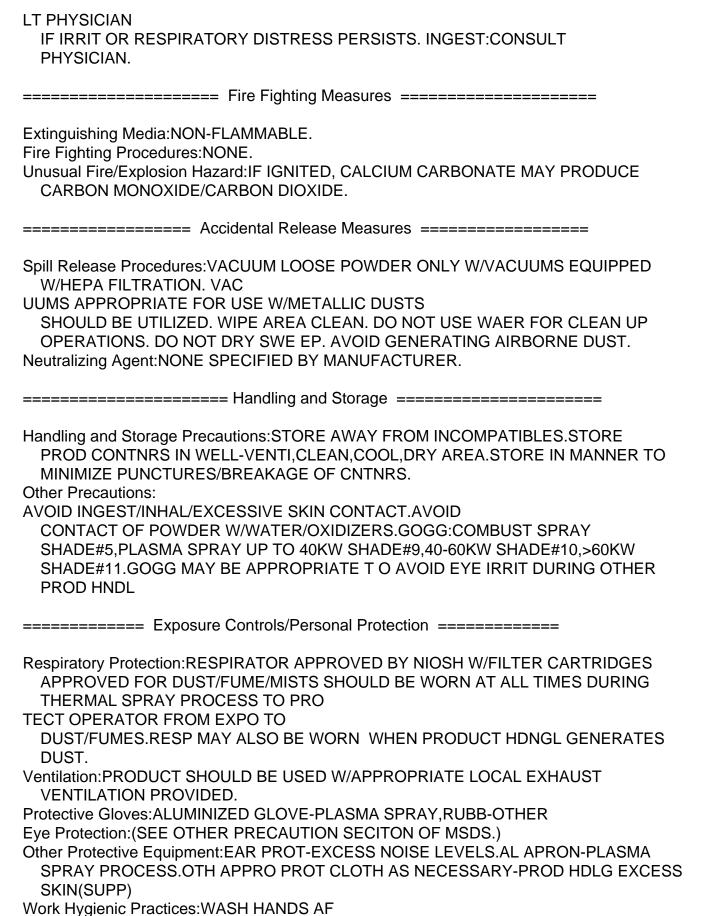
RTECS #:ZH8800000 Fraction by Wt: 91.5%

Other REC Limits: NONE RECOMMENDED

Ingred N

ame:CALCIUM CARBONATE (MARBLE) (LIMESTONE) CAS:1317-65-3 RTECS #:EV9580000 Fraction by Wt: 5.0% Other REC Limits: NONE RECOMMENDED OSHA PEL:15 MG/M3 TDUST ACGIH TLV:10 MG/M3 TDUST; 9495 Ingred Name: ORGANIC BINDER Fraction by Wt: 1.0% Other REC Limits: NONE RECOMMENDED Ingred Name: HAFNIUM OXIDE CAS:12055-23-1 Fraction by Wt: 2.0% Other REC Limits: NONE RECOMMENDED Ingred Name: SILICON (II) OXIDE CAS:10097-28-6 Fraction by Wt: 0.5% Other REC Limits: NONE RECOMMENDED ====== Hazards I dentification ========== LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER. Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:ZIRCONIUM OXIDE:INHAL/SKIN HAZ.NUISANCE DUST.IRRIT RESP TRACT.SKIN IRRIT,SKIN GRANULOMAS.CALCIUM CARBONATE: INHAL/EYE HAZ.LUNG/EYE IRRIT.ORG BINER:MILDLY TOXIC BY INGEST.GENERAL PUROSE FOOD ADDITIVE.HA FNIUM OXIDE:SKIN/EYE/INHAL HAZ.RESP TRACT IRRIT,SKIN/ **EYE MILD** IRRIT.SILICON OXIDE:INHAL/EYE HAZ.RESP TRACT IRRIT,(SUPPL) Effects of Overexposure: POSSIBLE EYE IRRIT, POSSIBLE SKIN IRRIT, INHAL IRRIT, POSSIBLE INGEST IRRIT. Medical Cond Aggravated by Exposure: CONSULT PHYSICIAN. TARGET ORGANS:RESP TRACT, SKIN, LUNGS, EYES, GASTROINTESTINAL TRACT, ------ First Aid Measures -----

First Aid:EYE:FLUSH W/WATER.IF IRRIT PERSISTS CONSULT PHYSICIAN. SKIN:WASH W/SOAP/WATER. INHAL:EXPOSE TO FRESH AIR.CONSU



| Supplemental Safety and Health                                       |     |
|--|-----|
| HAZ DECOMP PROD: POWDER. ORGBINDER EMIT TOX NA2O FUMES WHEN HEAT T   | ГО  |
| DECOMP. HEA HAZ:SILICOSIS,PULM FIB(IBROTIC CHANGES ON XRAY           |     |
| EXAM, SHORT OF BREATH, COUGH, DECR CHEST EXPAN, LESS WORK CAP, INCRE | Ε   |
| SUSC TO TUB ERCULOSIS)CONJ,EYE IRRIT. OTH PROT EQPT:CONTACT,EYEWA    | \SH |
| STATION,WASH FACI.   |     |
|  |     |
| DI : 1/01 : 1D : :   |     |

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:4500F,2482C

Spec Gravity:2.1

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Solubility in Water: NEGATIVE

Appearance and Odor:POWDER, NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

OXIDIZERS,ACIDS,SULFUR,NI(NO3)2,COMBUST.SODIUM OXIDE IN ORG BINER VERY REACTIVE-COMBINES VIOL W/WATER TO FORM NAOH.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:OZONE & NITRIC OXIDE ARE FORMED BY PLASMA FLAME(SIMILAR TO WELDING FUMES).THIS ACTION IS INDEPENDENT OF CERAMIC (SUPP)

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====== Disposal Considerations ==========

Waste Disposal Methods:EMPTY PRODUCT CNTNRS/PROD WASTE/CLEANING MEDIA SHOULD BE STORED & DISPOSE OF ACCORDING TO APPROPRIATE LOC/STATE/FED REGULATORY GUIDELINES.

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