

High Purity Engineered Powders

MSDS

MATERIAL SAFETY DATA SHEET

ZIROX 180

TAM Product ID 51443A Revision No. 2 April, 1996

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

TAM Ceramics Product Identification Number:

51443A

Tradenames and Synonyms

ZrO2

ZIRCONIUM OXIDE

ZIRCONIA

ZIRCONIC ANHYDRIDE

Company Identification

MANUFACTURER

TAM CERAMICS, INC.

4511 Hyde Park Blvd.

Niagara Falls, NY 14305-0067

PHONE NUMBERS

Product Information

1-716-278-9400

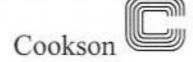
Transport Emergency

CHEMTREC:

1-800-424-9300

Safety/Health Information

1-716-278-9423



COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
ZIRCONIUM DIOXIDE	1314-23-4	98
SILICON DIOXIDE (AMORPHOUS)	7631-86-9	1.5
TITANIUM, FERROUS, ALUMINUM, AND CALCIUM OXIDES	***************************************	<1.0

HAZARDS IDENTIFICATION

Potential Health Effects

SUMMARY OF RISKS: ACUTE/CHRONIC EFFECTS: Lung granulomas have been reported in zirconium dioxide workers. Tests on animals indicate that it delivers a very low order of toxicity on inhalation. As with any dust, inhalation of excessive amounts of this dust may cause irritation of the nose and respiratory tract. Use of ointments containing zirconium dioxide are reported to cause skin lesions (granulomas).

This product contains trace quantities (130 to 145 pCi/g) of naturally occurring uranium and thorium. Overexposure by inhalation of respirable dusts containing these radioactive elements may cause lung cancer.

This product also contains amorphous furned silica. Overexposure by inhalation of respirable dusts may cause respiratory problems including pheumoconiosis.

Target Organs

None reported.

Primary Entry Route

This product can enter the body by ingestion or inhalation.

Carcinogenicity Information

This product is not considered a known or suspected carcinogen by the NTP, IARC, or OSHA.