

Supplier: The Pottery Supply House Ltd.
 1120 Speers Rd, Oakville, ON
 L6L 2X4 Tel: 1-800-465-8544

MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL IDENTIFICATION AND USE

Material Name Identifier <b style="text-align: center;">RUTILE FLOUR				
Manufacturer's Name Zircon Minerals & Chemicals S.A.		Supplier's Name Prescott & Company (Canada) Ltd.		
Street Address Waterloo Office Park, Dreve Richell Batiment N-2eme etage		Street Address 6375 Kastrel Road		
City 1410 Waterloo	Province Belgium	City Mississauga	Province Ontario	
Postal Code	Emergency Telephone Number 32-2-3528756	Postal Code L5T 1Z5	Emergency Telephone Number (905) 564-8383	
Chemical Name Titanium Dioxide	Chemical Family Titanium Dioxide		Chemical Formula TiO ₂	
Trade Names and Synonyms Rutile Flour, Rutile Sand			Material Use Industrial Applications	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	Approximate Concentration %	C A S Numbers	Exposure Limits	LD ₅₀ LC ₅₀ Specify Species & Route
		<u>CAS#</u>	<u>ACGIH TLV/TWA</u>	LD ₅₀ / LC ₅₀
Crystalline Silica (Quartz)	< 0.1%	14808-60-7	0.1 mg/m ³ Respirable Dust	Not Available
Titanium Dioxide	95%	13463-67-7	10 mg/m ³ Total Dust	Not Available

SECTION III - PHYSICAL DATA FOR MATERIAL

Physical State Gas <input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input checked="" type="checkbox"/>	Odour and Appearance Odourless, black/brownish red lustre	Odour Threshold (p.p.m.) N.Av.	Specific Gravity 4.3-5.0
Vapour Pressure (mm) N.Av.	Vapour Density (Air = 1) N.Av.	Evaporation Rate N.Av.	Boiling Point (°C) N.Av.
Solubility in Water (20°C) Nil	pH N.Av.	Density (g/m ³) N.Av.	Freezing Point (°C) N.Av.
			Coefficient of water/oil distribution N.Av.

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If Yes, Under Which Conditions		
Means of Extinction Not Applicable			
Special Procedures Not a fire or explosion hazard.			
Flashpoint (°C and method) N.Ap.	Upper explosion limit (% by volume) N.Ap.	Lower explosion limit (% by volume) N.Ap.	
Auto Ignition Temperature (°C) N.Ap.	TDG Flammability Classification N.Ap.	Hazardous Combustion Products None Known	
Explosion Data Sensitivity to Impact N.Ap.		Sensitivity to Static Discharge N.Av.	

SECTION V - REACTIVITY DATA

Chemical Stability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If No, Under Which Conditions
Incompatibility to other substances Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If so, which ones?
Reactivity and under what conditions	
Hazardous polymerization will not occur.	
Hazardous Decomposition Products None Known	

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Material
Name Identifier

RUTILE FLOUR

SECTION VI - TOXICOLOGICAL PROPERTIES OF THE PRODUCT

Route of Entry:

Skin Contact Skin Absorption Eye Contact Inhalation Acute Inhalation Chronic Ingestion

Effects of Acute Exposure to Product:

MAY CAUSE IRRITATION TO THE RESPIRATORY SYSTEM.

Effects of Chronic Exposure to Product:

NOT AVAILABLE

LD₅₀ of Product (Specify Species & Route)

N.Av.

Irritancy of Product

Mild Irritant

Exposure limits of Product

See Section II

LC₅₀ of Product (Specify Species)

N.Av.

Sensitization to Product

N.Ap.

Synergistic Materials

N.Ap.

Carcinogenicity

N.Av.

Reproductive Effects

N.Av.

Teratogenicity

N.Av.

Mutagenicity

N.Av.

SECTION VII - PREVENTIVE MEASURES

Personal Protective Equipment

NIOSH Approved dust filter / respirator

Gloves (Specify)

N.Ap.

Respiratory (Specify)

See Above

Eye (Specify)

Safety Glasses

Footwear (Specify)

N.Ap.

Clothing (Specify)

N.Ap.

Other (Specify)

N.Ap.

Engineering Controls (e.g. ventilation, enclosed process, specify)

Local Exhaust

Leak and Spill Procedure

Use normal clean-up procedure.

Waste Disposal

Follow federal, provincial and local regulations.

Handling Procedures Equipment

Normal Handling

Storage Requirements

Normal Storage

Special Shipping Information

None.

SECTION VIII - FIRST AID MEASURES

Skin

Practice proper hygiene.

Eye

Flush eyes thoroughly with water for 15 minutes.

Inhalation

On inhalation of excessive dust, move to fresh air. Seek medical attention if problems persist.

Ingestion

Not Available

General Advice

Not Available

SECTION IX - PREPARATION DATE OF M.S.D.S.

Additional Information / Comments:

NOT WHMIS CONTROLLED

Prepared by:

Prescott & Company (Canada) Ltd.

Phone Number

(905) 564-8383

Date

revised:

September 7, 2006

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