

**AERCHEM, INC.**  
**320 North Walnut**  
**Bloomington, IN 47404**

Telephone: 812.334.9996

Fax: 812.334.1960

Emergency: 800.424.9300

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**Effective Date:** 09/10/99

**Product Name:** Titanium Dioxide FCC/USP

**CAS No.:** 13463-67-7

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**Ingredients:**

<u>Component:</u>	<u>CAS#:</u>	<u>APP. %:</u>	<u>TWA/Ceiling:</u>	<u>Reference:</u>
Titanium dioxide	013463-67-7	92-100	10 mg/M <sup>3</sup>	ACGIH
Aluminum hydroxide	21645-51-2	0-8	None	OSHA/ACGIH
Silica, amorphous	7631-86-9	0-8	10 mg/M <sup>3</sup>	ACGIH
		0-8	6 mg/M <sup>3</sup>	OSHA

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**Physical Data:**

Melting point (range) Approx.:	1830-1850 °C
Boiling point:	2500-3000 °C
Decomposition temperature:	N/A
pH (depends on quality):	N/A
Solubility in water:	Insoluble
Odor:	None
Appearance:	White powder
Vapor pressure:	N/A

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**Fire and Explosion Information:**

Flash point:	N/A
(Auto) ignition temperature:	N/A
Extinguishing media to be recommended:	Material will not burn
to be avoided:	N/A
Special fire and explosions precautions:	N/A

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**Reactivity Data:**      **Stable**   X        **Unstable** \_\_\_\_\_

**Hazardous Decomposition:** Material will not decompose

**Hazardous Polymerization:** N/A

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**Incompatibilities:** No specific Incompatibility.

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**Handling and Storage Information:**

The material is not regulated as a hazardous material by the DOT or IMO. The material is shipped in fifty pound paper bags. To insure the integrity of the product keep dry.

<u>NFPA Rating</u>	<u>HMIS Rating</u>
Fire.....0	Health.....0
Health.....0	Flammability.....0
Reactivity.....0	Reactivity.....0
Special.....0	Personal protection.....0

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**Leak/Spill Information:**

Shovel the material into an appropriate disposal container. Wash the area with water.

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**Disposal Information:**

Any disposal must be made within Federal, State and Local regulations.

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**Health Hazard Information:**

**A. Exposure/Health Effects**

**Inhalation:** Avoid breathing dust. Use a dust filter respirator if overexposure limits are exceeded.

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**Chronic Exposures:** Exposure to this product for a short duration is not likely to cause adverse effects directly after exposure. Chronic overexposure to titanium dioxide may cause slight lung fibrosis. When titanium dioxide was fed to rats and mice for their lifetimes in a carcinogen bioassay, it was not carcinogenic. However, inhalation of titanium dioxide dusts of 50 times the nuisance level caused fibrosis and a slight increase in lung tumor incidence in laboratory rats.

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**B. First Aid:**

**Inhalation:** If a large amount of dust is inhaled, remove the person to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, administer oxygen. Obtain medical assistance.

**Ingestion:** No specific action is recommended. Obtain medical assistance if necessary.

**Skin Contact:** The pigment is not hazardous, but washing the skin exposure areas after use is recommended.

**Eye Contact:** Immediately flush eyes with a large volume of water for at least 15 minutes. Obtain medical assistance.

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**C. Toxicity Data**

**Occupational Control Measures:** Engineering controls are not usually necessary, if good hygiene practices are strictly followed. Respiratory protection is generally not required during normal operations.

**Ventilation Systems:** If exposure limits are exceeded NIOSH approved air purifying respirators with particulate filters should be used.

**Personal Respirators (Niosh Approved):** If exposure limits are exceeded NIOSH approved air purifying respirators with particulate filters should be used.

**Skin Protection:** None

**Eye Protection:** Safety glasses with side shields should be worn.

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