

## MATERIAL SAFETY DATA SHEET

Complies with U.S. Department of Labor Occupational Safety and Health Administration  
For OSHA Hazard Communication Standard Specific Requirements Consult: 29 CFR 1910.1200

### SECTION I - PRODUCT IDENTIFICATION

**Manufactured For:** Sino-American Pigment Systems, Inc.  
1620 Norvell Street  
El Cerrito, CA 94530, USA

**Date of Creation:** June 23, 1998  
**Date of Revision:** March 16, 2005

#### Product Identification:

Product Name: **Titanium Dioxide** [All Grades]  
Chemical Family: Non-Ferrous Inorganic Pigment  
CAS Number: 13463-67-7  
Formula:  $\text{TiO}_2$   
TSCA Status: In Compliance

#### Emergency Information:

Information Phone: 510 848 8890  
Chemtrack Phone: 800 424 9300

Hazardous Materials Identification System Index Rating: Severe-4, Serious-3, Moderate-2, Slight-1, Minimal-0  
[0] Health [0] Flammability [0] Reactivity [E] Personal Protection

### SECTION II - HAZARDOUS IDENTIFICATION

The components of this product are listed on the EPA / TSCA inventory of chemical substances

### SECTION III - PHYSICAL DATA

**Boiling Point:** N/A  
**Vapor Pressure:** N/A  
**Vapor Density:** N/A  
**Specific Gravity:** 4.20  
**Melting Point:** N/A  
**Evaporation Rate:** N/A  
**Appearance & Odor:** Very Fine Brilliant White and Odorless Powder

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**Flammability Classification** OSHA: N/A  
DOT: 55

**Flash Point:** Non-Flammable  
**LEL:** N/A **UEL:** N/A

**Extinguishing Media:** ☐ Foam ☐ "Alcohol" Foam ☐  $\text{CO}_2$  ☐ Dry Chemical ☐ Water Fog ☒ Any

**Unusual Fire and Explosion Hazards:** N/A

**Special Fire Fighting Procedures:** N/A

### SECTION V - HEALTH HAZARD DATA

#### Health Hazards (Acute and Chronic):

Acute: No applicable information found concerning any adverse acute health effects from overexposure to product.  
Chronic: Inhalation of airborne particles may cause transient irritation in mouth, nose and throat.

**Signs and Symptoms of Exposure:** N/A

**Medical Conditions Generally Aggravated by Exposure:** N/A

#### Emergency and First Aid Procedures:

Eye Contact - Flush thoroughly with water.  
Inhalation - Remove to fresh air.  
Skin Contact - Wash thoroughly with soap or mild detergent, and water.  
Ingestion - If conscious, give large quantities of water to induce vomiting, and call a physician.

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**SECTION VI - REACTIVITY DATA**

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**Stability:**    ☐ Unstable   ☒ Stable    **Conditions to Avoid:** None in normal use.

**Incompatibility:** None Reported.

**Hazardous Decomposition Products:** N/A

**Hazardous Polymerization:**                    ☐ May occur                    ☒ Will not occur

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**SECTION VII - SPILL OR LEAK PROCEDURES**

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**Steps to be Taken in Case Material is Released or Spilled:**

Material will be blown away as dust. Prevent spread of material and keep dust level down. Scoop up material or use vacuum technique. Those involved in the clean-up should use respiratory protection.

**Waste Disposal Methods:**

As with other pigment powders, disposal must be made in accordance with Federal, State and local regulations.

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**SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE**

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**Respiratory Protection:** Wear NIOSH approved dust respirator.

**Ventilation:**                    Provide local exhaust ventilation system to meet TLV requirements.

**Protective Gloves:**    Wear Gloves to minimize contact.                    **Eye Protection:** Goggles advisable against dust.

**Hygienic Practices:**    Wash thoroughly with soap and water before eating, drinking or using tobacco products.

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**SECTION IX - SPECIAL PRECAUTIONS**

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**Precautions to be Taken in Handling and Storing:**

- Avoid contact with water or strong acids;                    - Keep storage area dry;                    - Use ventilation to keep dust level down;
- Use a personal respirator if dust cannot be controlled;    - Store away from heat;                    - Use good hygienic practice

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**Keep out of Reach of Children**

The information contained herein is based on the data available to us and is believed to be accurate. However, the Sino-American Pigment Systems, Inc. makes no warranty, express or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. The Sino-American Pigment Systems, Inc. assumes no responsibility for the injury from the use of the product described herein.