

**MATERIAL SAFETY DATA SHEET**  
For Coatings, Resins, and Related Materials

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**

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

**Date of Creation:** Jan 20, 1999  
**Date of Revision:** January 30, 2009

**Product Identification:**

Product Name: Safe Yellow® Pigment Enhancer  
[All Grades]  
Chemical Family: Inorganic Pigment  
Formula: BaSO<sub>4</sub> and TiO<sub>2</sub>  
TSCA Status: XU - Exempt From Reporting

**Emergency Information:**

Information Phone: 800 536 9932  
Chemtrack Phone: 800 424 9300

Subpart:	CAS #	Chemical Name
175.105		Adhesives
175.300	7727-43-7	Barium Sulfate
178.3297	13463-67-7	Titanium Dioxide

OSHA Hazard Communication Status: This product is not hazardous as defined by OSHA HC Standard 29 CFR 1910.1200

**Canadian WHMIS:** Not Controlled  
**Canadian Domestic Substance List:** All Ingredients listed  
**CONEG:** Full Compliance

HIMS Rating: [1] Health [0] Flammability [0] Reactivity [E] Protection

**SECTION II - HAZARDOUS INGREDIENTS**

Barium Sulfate has been delisted from the category of "barium compounds" on the list of toxic chemicals for which reporting is required under Section 313 of the emergency Planning and Community right-to-Know Act of 1986. [Reference: **Federal Register** notice of EPA final rule: Page 33208, Volume 59, Number 123, 28 June, 1994, Rules and Regulations].

Titanium Dioxide is listed on the EPA / TSCA inventory of chemical substances

**SECTION III - PHYSICAL DATA**

<b>Boiling Point:</b>	N/A	<b>Specific Gravity:</b>	4.10 - 4.20
<b>Vapor Pressure:</b>	N/A	<b>Melting Point:</b>	N/A
<b>Vapor Density:</b>	N/A	<b>Evaporation Rate:</b>	N/A
<b>Solubility In Water:</b>	Insoluble		
<b>Appearance &amp; Odor:</b>	Very Fine, Yellow, Odorless Powder		

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

**Flammability Classification:** OSHA: N/A    **Flash Point:** Non-Flammable    **DOT:** 55    **LEL:** N/A    **UEL:** N/A

**Extinguishing Media:**    [ ] Foam    [ ] "Alcohol" Foam [ ] CO<sub>2</sub>    [ ] Dry Chemical    [ ] Water Fog    [X] Any

**Unusual Fire and Explosion Hazards:** None. If involved in fire from other sources, SO<sub>2</sub> vapor may be generated at high temperatures.

**Special Fire Fighting Procedures:** Fire Fighters should wear self-containing breathing apparatus, as protection against potential acid vapors.

**SECTION V - HEALTH HAZARD DATA**

**Primary Route(s) of Entry:** **Threshold Limit Value:** None Established  
 Ingestion     Dermal     Inhalation     Eye

**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.

<b>Carcinogenicity:</b>	<b>NTP?</b>	<b>IARC Monographs?</b>	<b>OSHA Regulated?</b>	<b>SARA Title III?</b>
None Reported	Not Listed	Not Listed	Not Regulated	Not Regulated

**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.

**SECTION VI - REACTIVITY DATA**

**Stability:**  Unstable  Stable    **Conditions to Avoid:** None in normal use.  
**Incompatibility (Materials to Avoid):** Contact with strong mineral acids.  
**Hazardous Decomposition Products:** None, but contact with strong mineral acids or high temperatures may generate SO<sub>2</sub> and/or H<sub>2</sub>S.  
**Hazardous Polymerization:**  May occur     Will not occur

**SECTION VII - SPILL OR LEAK PROCEDURES****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.

**RCRA Status:**

Not Regulated.

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

**Respiratory Protection:** Wear NIOSH approved dust respirator.  
**Ventilation:** Provide local exhaust ventilation system to meet TLV requirements.  
**Protective Gloves:** No requirement    **Eye Protection:** Goggles advisable against dust.  
**Hygienic Practices:** Wash thoroughly with soap and water before eating, drinking or using tobacco products.

**SECTION IX - SPECIAL PRECAUTIONS****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.