

MATERIAL SAFETY DATA SHEET (GHS format)

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, USA

Date of Creation: June 23, 1998
Date of Revision: April 21, 2015

Product Identification:

Product Name: **Barium Sulfate** [All Grades]
Chemical Family: Inorganic Pigment

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
[1] Health [0] Flammability [0] Reactivity [E] Personal Protection

SECTION II - HAZARDOUS IDENTIFICATION

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].

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number: 7727-43-7
Formula: BaSO₄
TSCA Status: XU - Exempt From Reporting
Meets FDA Regulations: GRAS Material

SARA Title III Section 313: Zinc Sulfide is present in amounts above the applicable de minimus concentrations for Zinc Compounds as listed in 40 CFR 372.65

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

Boiling Point: N/A **Specific Gravity:** 4.20
Vapor Pressure: N/A **Melting Point:** @ 1,185°C
Vapor Density: N/A **Evaporation Rate:** N/A
Solubility In Water: Insoluble [eg: BaSO₄ \leq 5.3 x 10⁻³ g/l]
Appearance & Odor: Very Fine Brilliant White and 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 [] CO₂ [] Dry Chemical [] Water Fog [X] Any

Unusual Fire and Explosion Hazards: None, but if involved in fire from other sources, SO₂ 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 - FIRE-FIGHTING MEASURES

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

Extinguishing Media: [] Foam [] "Alcohol" Foam [] CO₂ [] Dry Chemical [] Water Fog [X] Any

Unusual Fire and Explosion Hazards: None. If involved in fire from other sources, SO₂ 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 VI – ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Contain spill with sand or absorbent material and place in sealed bag or container for disposal. Ventilate and wash spill area after pickup is complete. See Section 13 for disposal information.

SECTION VII – HANDLING AND STORAGE

Handling: Use with adequate ventilation and do not breathe dust or vapor. Avoid contact with skins, eyes, or clothing. Wash hands thoroughly after handling.

Storage: Store in General Storage Area with other items with no specific storage hazards. Store in a cool, dry, well-ventilated, locked store room away from incompatible materials.

SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

Use ventilation to keep airborne concentrations below exposure limits. Have approved eyewash facility, safety shower, and fire extinguishers readily available. Wear chemical splash goggles and chemical resistant clothing such as gloves and aprons. Wash hands thoroughly after handling material and before eating or drinking.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	N/A	Melting Point:	N/A
Vapor Pressure:	N/A	Evaporation Rate:	N/A
Vapor Density:	N/A		
Solubility In Water:	Insoluble		
Appearance & Odor:	Very Fine, Yellow, Odorless Powder		

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 SO₂ and/or H₂S.
Hazardous Polymerization: May occur Will not occur

SECTION X – STABILITY AND REACTIVITY

Avoid heat and moisture.
Stability: Stable under normal conditions of use and storage.
Incompatibility: Acids, alkalis,
Shelf life: Ten years if stored properly.

SECTION XI – TOXICOLOGY INFORMATION

Acute Symptoms/Signs of exposure: Eyes: Redness, tearing, itching, burning, conjunctivitis. Skin: Redness, itching.
Ingestion: Irritation and burning sensations of mouth and throat, nausea, vomiting and abdominal pain.
Inhalation: Irritation of mucous membranes, coughing, wheezing, shortness of breath.
Chronic Effects: No information found.
Sensitization: none expected.

SECTION XII – ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial): Not considered an environmental hazard.

SECTION XIII – DISPOSAL CONSIDERATIONS

Check with all applicable local, regional, and national laws and regulations. Local regulations may be more stringent than regional or national regulations. Small amounts of this material may be suitable for sanitary sewer or trash disposal.

SECTION XIV – TRANSPORTATION INFORMATION

DOT Shipping Name: Not regulated by DOT
DOT Hazard Class:
Identification Number:

Canada TDG:
Hazard Class:
UN Number:

SECTION XV – REGULATORY INFORMATION

EINECS: Unknown
TSCA: XU - Exempt From Reporting

WHMIS Canada: Unknown
California Proposition 65: Not listed

SECTION XVI – OTHER INFORMATION

Disclaimer: SAPS believes that the information herein is factual but is not intended to be all inclusive. The information relates only to the specific material designated and does not relate to its use in combination with other materials or its use as to any particular process. Because safety standards and regulations are subject to change and because SAPS has no continuing control over the material, those handling, storing or using the material should satisfy themselves that they have current information regarding the particular way the material is handled, stored or used and that the same is done in accordance with federal, state and local law. SAPS makes no warranty, expressed or implied, including (without limitation) warranties with respect to the completeness or continuing accuracy of the information contained herein or with respect to fitness for any particular use.