

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

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

Date of Creation: April 4, 2007

Date of Revision: April 4, 2008

Product Identification:

Product Name and number: Barium Metaborate
CAS Number: 13701-59-2
Barium Metaborate: 100% weight

Emergency Information:

Information Phone: 510-848-8890
Facsimile: 510-848-8889
Chemtrack Phone: 800-424-9300

SECTION II - HAZARDOUS IDENTIFICATION

EFFECTS OF OVEREXPOSURE: Contact with hot material may cause skin burn.

SECTION III - PHYSICAL AND CHEMICAL DATA

physical state and appearance:	White Crystalline Powder	Specific Gravity (h ₂ O=1):	1.46
Odor:	Characteristic odor	Color:	White
Explosive Properties:	N/A	Melting Point:	N/A
Soluble in Water:	Negligible	Boiling Point	308f
Oxidizing Properties:	N/A	Stability:	Stable
pH:	9-10.5	Evaporation rate:	Lower than ether
Vapor density:	Heavier than air		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability of the Product: Nonflammable

Flash point: 67F

Auto-ignition Temperature:

Flash point method: TCC

General Fire Hazards: Product is not considered combustible. If heated above its flash point in the presence of air, product can support combustion.

Unusual fire and explosion hazards: May generate irritating vapors when burning.

Extinguishing Media: Carbon dioxide, dry chemical or water.

Fire fighting equipment and instructions:

Wear full protective clothing, including self-contained positive pressure/pressure demand breathing apparatus, helmet, and protective Clothing. Use water to cool fire-exposed containers and to protect personnel

SECTION V - HEALTH HAZARD DATA

Emergency Overview:

Flaked material may cause a dust problem. Static electric charges created by emptying product from ungrounded containers in or near flammable vapors may cause flash fire. may cause eye irritation. Vapors may also produce eye irritation. Inhalation of vapors/fumes generated by heating this product may cause respiratory irritation with throat discomfort, coughing or difficulty breathing. Potential Health Effects:

Eye Contact: Dust/powder may irritate eye tissue. Rubbing may cause abrasion of the cornea. Symptoms may include irritation, redness, scratching of the cornea, and tearing. Vapors may also cause eye irritation. If heated product contacts the eye, thermal burns may result.

Skin Contact: Prolonged or repeated skin contact may cause irritation. When it is heated, this product may cause thermal burns

Inhalation: Inhalation of dusts may cause respiratory irritation. Inhalation of vapor/fumes generated by heating this product may cause respiratory irritation with Throat discomfort, coughing and difficulty breathing.

Ingestion: Ingestion of product may produce mild gastrointestinal disturbances.

SECTION VI - REACTIVITY DATA

Chemical stability:	The product is stable.
Conditions to avoid:	Avoid strong oxidizing agents. Avoid dispersion of dust in air. Avoid Ignition sources where dust is produced.
Incompatibility:	May react with strong oxidizing agents
Hazardous Decomposition:	Smoke, carbon monoxide, carbon dioxide, and other products of Combustion.

SECTION VII - SPILL OR LEAK PROCEDURES

Environmental Hazards:	No adverse effects known or suspected. Not an RCRA hazardous substance or OSHA hazardous chemical. Does not contain a listed toxic chemical under SARA Title 111 §302,§304 or§313. Sweep up and discard
Spillage:	Sweep up and discard
Waste Disposal Method	Landfill according to local and national Regulations.
Other Precautions	Spillage may result in slippery conditions. When transporting material, care should be taken to avoid dust

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

Respiratory Protection	Use NIOSH approved dust mask or respirator where airborne dust is generated. Observe OSHA regulations for respirator use
Gloves	None required.
Eye Protection	NIOSH approved safety glasses or goggles
Other Protective Equipment	None required.
Personal Hygiene	Avoid breathing dust. Avoid contact with eyes. Wash eyes out.
Engineering Control	Local exhaust is recommended for operations that generate nuisance dust in excess of OSHA exposure limits

SECTION IX - SPECIAL PRECAUTIONS

OSHA Exposure Limit	Nuisance Dust: OSHA PEL 15 mg/m ³ , ACGIH TLV 10mg/m ³ .Respirable Fraction OSHA PEL 5mg/m ³ ,ACGIH TLV 5 mg/m ³
Exposure Analysis Method	NIOSH Manual of Analytical methods, 3rd., Method 7501(1984)
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