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# Material Safety Data Sheet

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TPL Inc.  
3921 Academy Parkway NNE  
Albuquerque, NM 87109

Origination Date: March 7, 2000  
Revision Date: June 18, 2013  
Revision: 7

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**Emergency Contact: PERS 800-633-8253**

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## Section 1 - Chemical Identification

Name Barium Strontium Titanate Powder  
Other  $Ba_xSr_{1-x}TiO_3$

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## Section 2 - Hazards Identification

Label Precautionary Statements May be harmful by inhalation, on contact with skin, and if swallowed.  
The chemical, physical; and toxicological properties have not been thoroughly investigated.  
Target Organs None

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## Section 3 - First Aid Measures

Contact With Skin Wash with soap & water to remove dust.  
Contact With Eyes Flush with water to remove dust.  
Inhalation Remove victim to fresh air.  
Ingestion Wash out mouth with water. Contact a physician.

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## Section 4 - Fire Fighting Measures

Extinguishing Media Non-flammable Material  
Special Fire Fighting Measures None  
Unusual Fire and Explosion Hazards Not Applicable

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## Section 5 - Accidental Release Measures

Handle with adequate ventilation for nuisance dust; see OSHA 29 CFR 1910.94 and CFR 1910.1000 (air contaminates) for clean-up procedures. Respirators may be required.

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## Section 6 - Exposure Controls / Personal Protection

Working Conditions Use with commonly accepted industrial safety procedures. Avoid prolonged inhalation of dust and contact with skin. Wear appropriate PPE; and avoid creating/breathing dust. Wash thoroughly after handling.

Storage Keep closed and store in a dry place.

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## Section 7 - Physical and Chemical Characteristics

Vapor Pressure Not Applicable

Specific Gravity 5.33

Color White

Physical Appearance Powder

Solubility in Water Insoluble

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## Section 8 - Stability and Reactivity

Incompatibilities Strong oxidizing agents.

Hazardous Combustion or Decomposition Products Nature of decomposition products unknown.

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## Section 9 - Toxicological Information

May be harmful if swallowed, inhaled, or absorbed through the skin. Causes eye and skin irritation. Material is irritating to mucous membranes and upper respiratory tract.

The chemical, physical; and toxicological properties have not been thoroughly investigated.

LD50 (Intraperitoneal Rat): >3000 mg/kg

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## Section 10 - Ecological Information

No information available.

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## Section 11 - Disposal Considerations

Observe all federal, state, and local environmental regulations.

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## Section 12 - Transport Information

US DOT Shipping Information  
IATA Shipping Information

Non-regulated Material  
Non-regulated Material

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## Section 13 - Regulatory Information

This product is subject to SARA Section 313 reporting requirements and is included in the TSCA inventory.

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**The above data and conclusions are believed to be correct, but do not purport to be all inclusive and shall be used only as guide. TPL, Inc. shall not be held liable for any damages resulting from handling or from contact with the material.**

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