CHEMICAL IDENTITY

LABEL IDENTITY
CHEMICAL NAME/SYNONYMS
FORMULA
CHEMICAL FAMILY
CAS REGISTRY NUMBER
CALCULATED MOLECULAR WEIGHT
HAZARDOUS INGREDIENTS

LEAD TITANATE
LEAD TITANIUM OXIDE
PbTiO₃
METAL OXIDE
N/A
N/A
N/A

PbO %: <tr TLV: 0.15 mg/m³ OSHA/PEL: 0.15 mg/m³
Oral Toxicity (LD₅₀): 430 mg/kg Carcinogen: IARC-2B*

TiO₂ %: <tr TLV: 10.0 mg/m³ OSHA/PEL: 10.0 mg/m³
Oral Toxicity (LD₅₀): Not Listed Carcinogen: NIOSH0X-

*Possibly carcinogenic to humans, limited evidence in humans.
Insufficient evidence in animals.

÷ Carcinogen defined with no other categorization.

PHYSICAL AND CHEMICAL PROPERTIES

COLOR, FORM AND ODOR
BOILING POINT
DENSITY (gm/cc)
VAPOR PRESSURE @ 20°
% VOLATILE BY VOLUME (%)
REACTION WITH WATER
EVAPORATION RATE
SOLUBILITY IN WATER

Odorless white powder
ND
No inform.
No inform
None
None
None
Mineral acids

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT
FLAMMABILITY
EXTINGUISHING MEDIA
SPECIAL FIRE FIGHTING PROCEDURES
UNUSUAL FIRE & EXPLOSION HAZARDS

None
Non-flammable
Use suitable means for extinguishing surrounding fire
Wear a NIOSH approved self-contained breathing apparatus and a full protective coating
None
LEAD TITANATE
MATERIAL SAFETY DATA SHEET

HEALTH HAZARD INFORMATION

TLV: R&D material, limits not established.

EFFECTS OF OVEREXPOSURE: R&D material, effects not established

EMERGENCY FIRST AID PROCEDURE:

- INHALATION: Remove to fresh air.
- DERMAL: Wash thoroughly with soap and water
- INGESTION: Seek immediate medical attention
  Seek medical attention in all cases

REACTIVITY DATA

STABILITY Stable
INCOMPATIBILITY (MATERIALS TO AVOID) Acids
HAZARDOUS DECOMPOSITION PRODUCTS PbO
HAZARDOUS POLYMERIZATION None

SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Pick up and place in a suitable container for reclamation or disposal in a method that does not generate dust

WASTE DISPOSAL METHOD:
Consult federal, state and local authorities for proper disposal.

NORMAL HANDLING & STORAGE: Keep in tightly closed container, store in cool dry ventilated area, isolate from incompatible substances.

SPECIAL PROTECTIVE INFORMATION

RESPIRATORY PROTECTION NIOSH approved - consult supplier for limitations
OTHER PROTECTIVE CLOTHING: Lab coat or apron, gloves and safety glasses. Always wear eye protection.
SPECIAL PRECAUTIONS

May emit PBO vapor at high temperatures

For laboratory use only. Not for drug, household or other uses. This is an R&D Material and should only be used by qualified staff.

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NA= NOT APPLICABLE       ND= NO DATA FOUND