

MATERIAL SAFETY DATA SHEET

This form may be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.
IDENTITY (As Used on Label and List): **Lead titanate, powder and pieces**
Product Code: **L-MSDS0060** Reference #: **12060-00-3**

SECTION I - PRODUCT IDENTIFICATION Lead titanate, powder and pieces

MANUFACTURER NAME AND ADDRESS:

ProChem, Inc.
826 Roosevelt Rd.
Rockford IL 61109

TELEPHONE NUMBERS:

CHEMTREC (800)424-9300
ProChem, Inc. (800) 795-8788
Local Poison/Emrgncy () - 911

DATES:

Date Created:
03/15/1991
Revision: 08/23/2001
Printed: 01/28/2004

SYNONYMS

Lead titanate; lead metatitanate

CHEMICAL FAMILY: Metal titanate

DOT HAZARD LABEL: No data.

FORMULA: PbTiO3

MOLECULAR WEIGHT: 303.08

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION Lead titanate, powder and pieces

HAZARDOUS COMPONENTS (CHEMICAL NAME)

<u>NAME:</u>	Lead titanate	<u>PERCENTAGE:</u>	0.0 -100.0 %
<u>CAS #:</u>	12060-00-3	<u>ACGIH TLV:</u>	.15mg(Pb)/m3
<u>OSHA PEL:</u>	.05mg(Pb)/m3	<u>SEC.304 RO:</u>	Yes 1 LB**
<u>OTHER LIMITS:</u>	AL 30 ug/m3		
<u>SEC.302 (EHS):</u>	No		
<u>SEC.313:</u>	Yes		

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS Lead titanate, powder and pieces

<u>PHYSICAL STATES:</u>	[] Gas , [] Liquid , [X] Solid
<u>BOILING POINT:</u>	N.A.
<u>MELTING POINT:</u>	N.A.
<u>SPECIFIC GRAVITY (WATER = 1):</u>	7.52 gm/cc
<u>DENSITY:</u>	No data.
<u>VAPOR PRESSURE (VS. AIR OR MM HG):</u>	NE
<u>VAPOR DENSITY (VS. AIR = 1):</u>	NA

EVAPORATION RATE (VS BUTYL ACETATE=1): NA
SOLUBILITY IN WATER: insoluble
PERCENT VOLATILE: N.A.
PH: No data.
APPEARANCE AND ODOR

Yellow powder and pieces, no odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA
Lead titanate, powder and pieces

FLASH PT: N.A. **METHOD USED:** NON-FLAMMABLE
EXPLOSIVE LIMITS: LEL: NA UEL: NA
EXTINGUISHING MEDIA

USE: Not applicable. Use suitable extinguishing media for surrounding materials and type of fire.

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters must wear full face, self-contained breathing apparatus with full protective clothing to prevent contact with skin and eyes. Fumes from fire are hazardous. Isolate runoff to prevent environmental pollution.

UNUSUAL FIRE AND EXPLOSION HAZARDS

When heated to decomposition, lead titanate may emit toxic fumes of lead.

SECTION V - REACTIVITY DATA
Lead titanate, powder and pieces

STABILITY: Unstable [] Stable [X]
CONDITIONS TO AVOID - INSTABILITY

None

INCOMPATIBILITY - MATERIALS TO AVOID

None

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Fumes of lead

HAZARDOUS POLYMERIZATION: Will occur [] Will not occur [X]
CONDITIONS TO AVOID - HAZARDOUS POLYMERIZATION

None

SECTION VI - HEALTH HAZARD DATA
Lead titanate, powder and pieces