

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 zirconate, powder and pieces**

Product Code: **L-MSDS0062** Reference #: **12060-01-4**

SECTION I - PRODUCT IDENTIFICATION Lead zirconate, 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:
08/30/1988
Revision: 08/23/2001
Printed: 01/28/2004

SYNONYMS

Lead zirconate

CHEMICAL FAMILY: Metal zirconate

DOT HAZARD LABEL: No data.

FORMULA: PbZrO3

MOLECULAR WEIGHT: 346.38

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

HAZARDOUS COMPONENTS (CHEMICAL NAME)

<u>NAME:</u>	Lead zirconate	<u>PERCENTAGE:</u>	0.0 - 100.0 %
<u>CAS #:</u>	12060-01-4	<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 zirconate, powder and pieces

<u>PHYSICAL STATES:</u>	<input type="checkbox"/> Gas , <input type="checkbox"/> Liquid , <input checked="" type="checkbox"/> Solid
<u>BOILING POINT:</u>	N.A.
<u>MELTING POINT:</u>	N.A.
<u>SPECIFIC GRAVITY (WATER = 1):</u>	NE
<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: NE
PERCENT VOLATILE: N.A.
PH: No data.
APPEARANCE AND ODOR
Orange-yellow powder and pieces, no odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA
Lead zirconate, 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 zirconate may emit toxic lead oxide fumes.

SECTION V - REACTIVITY DATA
Lead zirconate, powder and pieces

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

None

INCOMPATIBILITY - MATERIALS TO AVOID

None recorded

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Fumes of lead oxides.

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

None

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

ROUTE(S) OF ENTRY: Inhalation? Yes , Skin? No , Eyes? No , Ingestion? Yes , Other: N