

# 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): **Potassium tantalate, powder and pieces**

Product Code: **P-MSDS0043** Reference #: **12030-91-0**

## SECTION I - PRODUCT IDENTIFICATION

Potassium tantalate, 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	( ) - 911
Poison/Emrgncy	

### DATES:

Date Created:  
05/30/1991  
Revision: 11/03/1995  
Printed: 01/28/2004

### SYNONYMS

Potassium tantalate

CHEMICAL FAMILY: Metal tantalate

DOT HAZARD LABEL: No data.

FORMULA: KTaO3

MOLECULAR WEIGHT: 268.05

## SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Potassium tantalate, powder and pieces

### HAZARDOUS COMPONENTS (CHEMICAL NAME)

<u>NAME:</u>	Potassium tantalate	<u>PERCENTAGE:</u>	0.0 -100.0 %
<u>CAS #:</u>	12030-91-0	<u>ACGIH TLV:</u>	5 mg(Ta)/m3
<u>OSHA PEL:</u>	5 mg(Ta)/m3	<u>SEC.304 RO:</u>	No
<u>OTHER LIMITS:</u>	NE		
<u>SEC.302 (EHS):</u>	No		
<u>SEC.313:</u>	No		

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Potassium tantalate, powder and pieces

<u>PHYSICAL STATES:</u>	[ ] Gas , [ ] Liquid , [ X ] Solid
<u>BOILING POINT:</u>	N.A.
<u>MELTING POINT:</u>	1360.00 C (2480.0 F) to 1370.00 C (2498.0 F)
<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**

Powder and pieces, no odor.

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**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**  
**Potassium tantalate, 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 agent for surrounding material 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**

None recorded

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**SECTION V - REACTIVITY DATA**  
**Potassium tantalate, powder and pieces**

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

None

**INCOMPATIBILITY - MATERIALS TO AVOID**

None recorded

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

None recorded

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

None

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**SECTION VI - HEALTH HAZARD DATA**  
**Potassium tantalate, powder and pieces**