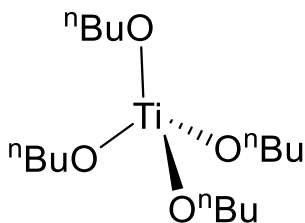


Catalog # 93-2204 Titanium(IV) n-butoxide, 98+%



## Thermal Behavior:

- Melting point: -55 °C [1]
- Flash point: 77 °C [1]
- Boiling point: 312 °C [1]

## Technical Notes:

1. Alkoxide precursor for the synthesis of TiO<sub>2</sub> by aerosol assisted CVD and sol-gel processes.

Target Deposit	Deposition Technique	Delivery Temperature	Pressure	Co-reactants	Deposition Temperature	Ref.
Ti <sub>1</sub> Si <sub>1-x</sub> O <sub>2</sub>	AACVD	25-50 °C (in butanol)	760 Torr	Si(O <sup>t</sup> Bu) <sub>2</sub> (OAc) <sub>2</sub> , Si(O <sup>t</sup> Bu) <sub>4</sub> , Air	470-675 °C	[2-4]

## References:

1. [National Center for Biotechnology Information 2020](#)
2. [Appl. Surf. Sci. 2006, 253, 363](#)
3. [J. Electrochem. Soc. 2008, 155, D110](#)
4. [J. Mater. Res. 2008, 23, 755](#)