

Titanium Tetrachloride

Description: Titanium Tetrachloride (chemical formula TiCl_4) is a clear liquid, water white to light straw yellow.

Key Features:

• TiCl_4 content:	• ≥ 99.5 to $\geq 99.9\%$
• Molecular weight:	• 189.7
• Melting point:	• -25°C
• Boiling point:	• $+136^\circ\text{C}$
• Specific gravity:	• 1,728 kg/m^3
• CAS No:	• 7550-45-0
• EINECS No:	• 231-441-9

Applications: Titanium Tetrachloride is used in:

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|---------------------------------------|--|
| • Production of catalysts | • Precursor of titanium metals and powders |
| • Production of electronic chemicals | • Metal/glass surface treatment |
| • Manufacture of pearlescent pigments | • Manufacturing of titanium dioxides |

Typical Properties:

• TiO_2 equivalent:	• $\geq 41\%$ (weight)
• Viscosity 20°C :	• 0.82 cP
• Vapor pressure:	• $\log P \text{ (mmHg)} = 7.64433 - 1947.6 / T \text{ (}^\circ\text{K)}$

Caution:

- Dangerous material
- TiCl_4 reacts immediately and violently with water, aqueous solutions and moisture, giving off white and opaque acidic fumes.
- Handle in extremely dry conditions
- Refer to the Safety Data Sheet

Regulatory Status: For safety, storage, handling, labeling and transportation guidelines as well as for chemical inventory status, regulatory status and classification refer to the safety data sheet. For all other requests, please contact your INEOS Pigments sales representative.

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See the Safety Data Sheet (SDS) for this product for safety information prior to use.