Titanium Tetrachloride (TiCl₄)

PRODUCT DATA SHEET

Description: Titanium Tetrachloride (chemical formula TiCl₄) is a clear liquid, water white to light straw yellow.

Key Features:
- TiCl₄ content: ≥ 99.5 to ≥ 99.9 %
- Molecular weight: 189.7
- Melting point: -25 °C
- Boiling point: +136 °C
- Specific gravity: 1.728 kg/m³
- CAS N°: 7550-45-0
- EINECS N°: 231-441-9

Applications: Titanium Tetrachloride is used in:
- Production of catalysts (organic chemistry, plastics, etc)
- Production of electronic chemicals
- Manufacturing of pearlescent pigments
- Precursor of titanium metals and powders
- Metal/glass surface treatment
- Manufacturing of titanium dioxides

Typical Properties:
- TiO₂ equivalent: ≥ 41 % (weight)
- pH: not applicable
- Viscosity 20 °C: 0.82 cP
- Vapor pressure: logP (mmHg) = 7.64433 - 1947.6 / T (°K)

Caution:
- Dangerous material
- TiCl₄ reacts immediately and violently with water, aqueous solutions and any moisture, giving off white and opaque acidic fumes.
- Handle in extremely dry conditions
- Refer to the Safety Data Sheet

Safety and Regulatory Information: 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.

EUROPE - MIDDLE EAST - AFRICA - ASIA/PACIFIC

24, rue du sentier
Paris F 75002 France
Phone: +33.1.5504.8930
Fax: +33.1.5504.8940

AMERICAS

6752 Baymeadow Drive
Glen Burnie, MD 21060 USA
Phone: +1.410.229.4441
Fax: +1.410.229.4415

Unless otherwise provided by applicable law, nothing contained in this literature shall be deemed a representation or warranty of any kind, either expressed or implied. The recommendations and suggestions given in this literature are presented for your own investigation and verification. Products discussed are sold only on the basis of conforming to specifications, but without warranty, expressed or implied, in law or in fact, of merchantability or fitness for a particular purpose and upon the condition that purchasers make their own tests to determine the suitability of such products for their particular purposes. Statements concerning the possible use of our products or processes described are not intended as recommendations or permission to use the same in the infringement of any patent, or to practice a patented invention without a license. By reason of a lack of knowledge as to specific end uses of this product, no representation or warranty is made as to the conformance of the product with food contact laws or regulations. See the Safety Data Sheet (SDS) for this product for safety information prior to use.

This document does not constitute a specification. Product Specifications are available on request. www.cristal.com 01/17 Performance Chemicals – Global