TDS · TECHNICAL DATA

# Titanium Dioxide 1 kg

**Article:** B50001 · **INCI:** CI 77891 (Titanium Dioxide)
**Document No.** TDS-24731-EN-2611 · **Revision:** 11.2026

Product page

## 1 General information

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|---|---|
| **Product name** | Titanium Dioxide 1 kg |
| **Article** | B50001 |
| **Product type** | Titanium dioxide (white mineral pigment) |
| **INCI** | CI 77891 (Titanium Dioxide) |
| **Synonyms** | pigment, mineral colorant |

## 2 Specification

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| **Appearance** | fine powder |
| **Color** | white |
| **Particle size** | 1500 nanometers |
| **Solubility** | dispersible in water and oil, triglycerides, in glycerin |
| **Density** | 3.9–4.2 g/cm³ |
| **Bulk density** | 0.3–0.6 g/cm³ |
| **pH** | 6.5–8.5 (10 % suspension) |
| **Odor** | odorless |
| **Pack size** | 1 kg |

## 3 Applications and dosage

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| **Application areas** | • color cosmetics<br>• candles<br>• epoxy resin<br>• polymer clay |
| **Recommended dosage** | mixtures with organic UV filters - 2-7%, mono screen for UV rays - 2-15%, mineral cosmetics - 2-10%, balms and lipsticks - 1-4%, creating oil-based pigments - 2-5% |

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| **Compatibility** | Insoluble, disperses in oils, glycerin and water bases. Highly resistant to light, heat and pH. Pre-grinding with oil or glycerin is recommended for even color. |

Use an FFP2 respirator when handling the powder and avoid dust formation.

## 4 Storage and packaging

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| **Storage conditions** | in a dry place, in a tightly closed container, protected from direct sunlight, at +5...+30 °C |
| **Shelf life** | until 10.2028 in closed original packaging |
| **Packaging** | sealed packaging (zip-lock bag, jar or bottle) / transport container |

Quality control: every batch is checked against the reference standard for color, appearance and particle size.

Approved by: Quality Department · Mylo-Opt

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