



Ti-Pure™
Titanium Dioxide

U.S. FDA Food Contact Status of Ti-Pure™ Titanium Dioxide Pigments

Plastics

Ti-Pure™ titanium dioxide pigment grade: R-101 is acceptable for packaging materials for FDA food contact uses, under 21 CFR 178.3297 (Colorants for Polymers) or otherwise have a suitable status under the Federal Food, Drug, and Cosmetic Act and its implementing food additive regulations under FDA's Conditions of Use A through H, without limitations. FDA's Conditions of Use are set forth in 21 CFR § 176.170(c), Table 2.

In addition, see important information on trimethylolpropane (TMP)^{1,2}.

Ti-Pure™ titanium dioxide pigment grade: R-103 is acceptable for packaging materials for FDA food contact uses, under 21 CFR 178.3297 (Colorants for Polymers) or otherwise have a suitable status under the Federal Food, Drug, and Cosmetic Act and its implementing food additive regulations under FDA's Conditions of Use A through H. FDA's Conditions of Use are set forth in 21 CFR § 176.170(c), Table 2 and can be used at levels not to exceed 25 percent by weight of the food-contact article.

In addition, see important information on trimethylolpropane (TMP)^{1,2}.

Important Information about TMP Grades:

¹Chemours uses trimethylolpropane (TMP) as a surface treatment on Ti-Pure™ grades R-101 and R-103 at levels up to 0.45 wt. % on a dry TiO₂ basis. Trimethylolpropane (TMP), has been self-classified by TMP manufacturers as a "suspected reproductive toxicant (Rep. Tox. Cat. 2)" (H361f and H361d).

²Furthermore, Chemours has completed an assessment of Ti-Pure™ grades of TiO₂ following the ILSI (International Life Sciences Institute Europe) best practices for food packaging value chains. In this assessment, it was observed that trace amounts of 2-Ethylacrolein may be generated as a result of degradation of TMP, which is used as a surface treatment on Ti-Pure™ R-101 and R-103 products. A risk assessment in accordance with article 19 of Regulation (EC) No 10/2011 with due consideration of the worst-case scenario has concluded that the Ti-Pure™ products R-101 and R-103 are

compliant with Article 3 of Regulation (EC) No 1935/2004 and materials or articles made with it are safe for use with maximum loading levels up to 10 wt. % in the final product.

The present review only refers to food-contact applications. Ti-Pure™ products may not be directly added to food, pharmaceuticals, cosmetics, or cigarette papers/filters for tobacco products. Ti-Pure™ products may not be used in the manufacture of any medical device for implantation in the human body without prior written agreement of Chemours.

Further questions should be directed to
TiO2ProductStewardship@Chemours.com

This page is intentionally left blank.

CAUTION: Do not use or resell Chemours™ materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless agreed to by Chemours in a written agreement covering such use. For further information, please contact your Chemours representative. These materials may not be directly added to food, pharmaceuticals, cosmetics, or cigarette papers or filters for tobacco products.

The foregoing applies solely to direct addition. This statement does not address, and should not be interpreted as determining, the suitability of Chemours products for use as components of materials or articles intended to come into contact with food. Where such uses are contemplated, the customer or other downstream user is solely responsible for determining and ensuring that the finished material or article complies with all applicable food contact laws and regulations in the relevant jurisdiction(s), including any applicable use, migration limits, good manufacturing practice requirements, and documentation or declaration obligations.

For medical emergencies, spills, or other critical situations, call +1 844 773 2436 for those within the United States or Canada. For those calling from other countries, call +1 302 773 1000, using the appropriate international access prefix. If immediate assistance is required, contact local emergency services.

The information set forth herein is furnished free of charge and based on technical data that Chemours believes to be reliable. It is intended for use by persons who have technical skills, at their own discretion and risk. Users are responsible for evaluating Chemours materials under their specific conditions of use and for determining the applicability of appropriate safety, handling, and regulatory requirements, including those described in the applicable Safety Data Sheet (SDS). Because conditions of use are outside our control, Chemours makes no warranties, express or implied, and assumes no liability in connection with any use of this information. As with any material, evaluation of any compound under end-use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

Permission is granted to reproduce and transmit this statement as reasonably necessary for internal use and for purposes of evaluation of Chemours materials, safe handling, regulatory review, and compliance documentation, including sharing with customers and regulatory authorities. Any other reproduction or distribution requires the prior written permission of Chemours.

For more information, visit www.tipure.com

© 2026 The Chemours Company FC, LLC. Ti-Pure™ and any associated logos are trademarks or copyrights of The Chemours Company FC, LLC. Chemours™ and the Chemours Logo are trademarks of The Chemours Company.

