



Ti-Pure™

Titanium Dioxide

EU Declaration of Compliance for Food Contact Materials for Plastics

The Chemours Company, 1007 Market Street, Wilmington, DE 19801 USA, which manufactures and then imports the following products into the EU via Chemours Belgium BVBA, hereby declares that the composition of our products identified as:

Ti-Pure™ Titanium Dioxide Pigments for Plastics Grades: R-104, R-105, R-108, R-350, and R-960

Color Index Name: White 6

Color index Number: 77891

have the following regulatory status relative to the use as additives in plastics food contact materials:

European Union

The above listed products, as supplied comply with:

- Commission Regulation (EC) n° 1935/2004, as amended.
- Commission Regulation 10/2011/EU on plastic materials and articles intended to come into contact with food, as amended.

Colorants in accordance with Article 5 (2) (b) and Article 6 (2) are not required to be listed in the Union list of authorised substances (Annex I) when covered in national law. However, the substances present in the above listed Ti-Pure™ titanium dioxide pigments appear in Annex I and hence the products comply with the Regulation, under the condition that the finished article meets the following migration limits:

OML: 10 mg/dm² (Article 12).

SML: not applicable

General restriction outlined in Annex II, please note that above mentioned Ti-Pure™ grades contain Alumina. Hence we advise that plastic materials and articles produced with them should at least be checked for compliance with the specific migration limit for aluminum as mentioned in Annex II: Aluminum = 1 mg/kg food or food simulant.

The products are produced according to our quality management system, which complies with the requirements of the Regulation (EC) n° 2023/2006, on good manufacturing practice for materials and articles intended to come into contact with food.

Presuming appropriate processing following the Good Manufacturing Practices Regulation (EC) n° 2023/2006, the above listed Ti-Pure™ titanium dioxide pigments can be used in the countries of the European Union for the manufacturing of plastic materials and articles according to article 3 of Regulation (EC) n° 1935/2004.

It remains the responsibility of the end-user to ensure compliance of the finished articles with the above-mentioned Migration Limits.

Dual Use Additives

TiO₂ is allowed to be used as a food additive under entry E171 in annex II of Regulation EC n° 1333/2008 and hence is considered as a "Dual Use" additive. It shall, however, be noted that Ti-Pure™ titanium dioxide pigment grades above are designed for use in plastics and do not meet the criteria for E171 use in food.

However, according to the Union Guidelines on Regulation (EU) 10/2011, Ti-Pure™ products should be considered as dual use additives and manufacturer's responsibility under Article 3 of Regulation EC n° 1935/2004.

Specification of Use

There are no Specifications of Use for any of the substances in Ti-Pure™ titanium dioxide pigments.

Status in countries with additional national legislation on colorants:

In addition to being compliant with the requirements in Reg. EC n° 10/2011, the above listed Ti-Pure™ pigments also comply with the following national legislations for additives used in plastic materials and articles foreseen to come into contact with food:

- **Germany:** "BfR Empfehlung" (BfR recommendations) IX / purity of colorants for plastics and other polymers used in commodities; (purity criteria), dated June 1st 2019.
- **Italy:** "Decreto Ministeriale" (= Ministerial Decree) of 21 March 1973, Art. 12 / purity of colorants for plastics, as amended.
- **Netherlands:** "Commodities Act (Packaging and Utensils Decree)" of January 1st 2017, Chapter I Plastics & XI Colorants and pigments. (Purity criteria on pigment/colorants), as amended.
- **Spain:** "Real Decreto" 847/2011, de 17 de junio, Annex II / Mandatory identification and purity conditions applicable to colorants for use in polymers coming into contact with food, as amended.
- **Switzerland:** DFI Swiss Ordinance 817.023.21 of 16 December 2016, as amended, and updated by RO 2019 3371 on December 1st 2019 on materials and articles foreseen to come into contact with food stuff; including:

The general provisions outlined in Chapter 1, 2 and 3; and

The provisions applicable to plastics outlined in Chapter 5, and substance Specific Migration Limits (SML) listed in Table 1 of Annex 2; on condition that the products comply with the Regulation, under the condition that the finished article meets the following migration limits:

OML: 10 mg/dm² or 60 mg/kg (food) (Article 12)

SML: not applicable

General restriction outlined in Annex 2 Section 2.3:

Please note that above mentioned Ti-Pure™ grades contain Alumina. Hence we advise that plastic materials and articles produced with them should at least be checked for compliance with the specific migration limit for aluminum as mentioned in Annex 2 Section 2.3: Aluminum = 1 mg/kg food or food simulant.

The above listed Ti-Pure™ meet the general requirements applicable to pigments and colorants in Annex 2 Section 2.2 Table 3.8

It remains the responsibility of the end-user to ensure compliance of the finished articles with the above mentioned Migration Limits.

As a consequence, compliance is granted in the following countries which do not have national laws on the use of colorants (in plastics) for materials and articles intended to come into contact with food:

Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Poland, Portugal, Romania, Slovakia, Slovenia, Sweden and United Kingdom.

- **Council of Europe:** [Resolution AP \(89\)1](#) "On the use of colorants in plastic materials coming into contact with food", II, 2 (purity).

Notes

End-Use testing: Manufacturers using the above products for the fabrication of plastic materials and articles intended to come into contact with food, must comply with the general principles or regulatory requirement that these materials and articles should not, by reason of their coloration, pose a risk to human health or bring about either a deterioration in the organoleptic characteristics or other unacceptable changes to the food which they come into contact with. Colorants should be sufficiently integrated within the plastic materials and articles so as to preclude any significant migration into foodstuffs under normal conditions of use, as determined by an appropriate migration test methods outlined in:

- Annex III and V of regulation EC n° 10/2011; and/or
- Annex 4 of DFI Swiss Ordinance 817.023.21

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

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 Seller in a written agreement covering such use. For further information, please contact your Chemours representative. These products may not be directly added to food, pharmaceuticals, cosmetics, or cigarette papers/filters for tobacco products.

For medical emergencies, spills, or other critical situations, call (844) 773-2436 within the United States. For those outside of the United States, call (302) 773-1000. 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 having technical skill, at their own discretion and risk. The handling precaution information contained herein is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards. Because conditions of product 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.

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