

**Information sheet on complex inorganic coloured pigments  
in the production of which titanium dioxide is used as a raw material**

The classification of titanium dioxide powder as a suspected carcinogen (Carc Cat 2 by inhalation) within the 14th ATP of the CLP Regulation was published on 18 February 2020<sup>[1]</sup>. This harmonised classification refers exclusively to TiO<sub>2</sub> in certain powder forms. This classification becomes binding in the supply chain on 1 October 2021, following an 18-month transitional period.

Titanium dioxide (TiO<sub>2</sub>) in powder form is used as a raw material in some complex inorganic coloured pigments (CICPs).

The CICPs do not fall under the above classification for the following reasons:

1. CICPs are manufactured in a chemical reaction – usually by means of an industrial calcination process at very high temperatures – where titanium dioxide in powder form is used as one of the raw materials. The TiO<sub>2</sub> is completely reacted, so that subsequently no free titanium dioxide powder is present any longer.
2. The thus obtained CICPs form completely new chemical substances, each with its own CAS and EC identifiers.
3. According to REACH, all CICPs are considered individual substances, and they are evaluated separately in individual REACH registration dossiers.

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About Eurocolour:

*Eurocolour e. V. is the umbrella association for the manufacturer of pigments, dyes, fillers, frits, ceramic and glass colours and ceramic glazes in Europe*

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<sup>[1]</sup> Delegated Regulation (EU) 2020/217, published in the Official Journal of the European Union L44 and L51, respectively, available in EUR-Lex. [https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.L\\_.2020.044.01.0001.01.ENG&toc=OJ:L:2020:044:TOC](https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.L_.2020.044.01.0001.01.ENG&toc=OJ:L:2020:044:TOC)