

Customer Information

Classification of Titanium dioxide CAS 13463-67-7

We would like to inform you that the titanium dioxide component contained in our products has been reclassified according to regulation 1272/2008 / EU (CLP regulation).

Introduction

Technical background and general conditions:

Titanium dioxide (TiO₂) is widely used in the plastics industry as a white pigment (Colorindex C.I. 6) both as a pure color and as a tinting component in light colors or for over-coloring. In addition, TiO₂ is also used as a mineral filler, among other applications, for the purpose of optimizing shrinkage and warpage behavior, processing improvement and friction & wear properties. When used, the TiO₂ content usually exceeds the 1% (weight percent) limit.

On October 4, 2019, the EU Commission decided to classify TiO₂ as "substance suspected of having a carcinogenic effect through inhalation" (CLP-VO 1272/2008 / EU, 14.ATP), so that from October 2021 TiO₂ as a powder and Mixtures that contain more than 1% TiO₂ must be classified and labeled accordingly. According to current knowledge, these mixtures also include thermoplastic compounds.

Regardless of the TiO₂ topic, the level of dust emissions with respect to occupational health aspects must of course be taken into account.

New classification and labeling elements:

Titanium dioxide as a powder and powder mixtures containing $\geq 1\%$ titanium dioxide will be classified and labeled as follows:



**The classification can be prevented if it can be proved that the substance contains < 1% of particles with a diameter of < 10µm.
Many of our titanium dioxide suppliers have already confirmed this.**

Labeling of solid mixtures:

Beside the above described classification (or non-classification) of the substance Titanium dioxide solid mixtures (e.g. also products in which TiO₂ is strongly embedded into the polymer matrix) that contain $\geq 1\%$ titanium dioxide must be provided with at least the following labeling elements:

EUH212: Warning! Dangerous dust may be formed when used. See information supplied by the manufacturer. Comply with the safety instructions.

We would therefore like to inform you in good time that products in our portfolio that contain titanium dioxide as a component may in future contain the classification and labeling information described above in the safety data sheet and possibly on the packaging.

Please also check our website under <https://www.luvocom.de/en/startseite/>

If you have any questions, please do not hesitate to contact us at any time.

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