

## Nanomaterials

ISO/TC229 defines nanoparticles as particles having all external dimensions in the size range 1 – 100nm. The European Commission recommended definition of nanomaterial is “A natural, incidental or manufactured material containing particles, in an unbound state or as an aggregate or as an agglomerate and where, for 50 % or more of the particles in the number size distribution, one or more external dimensions is in the size range 1 nm - 100 nm.”

The mean particle size of TiONA® and TiKON™ products is larger than 100nm but as with all particulate materials there is a distribution of particle sizes around the mean with a minor, unintended and unavoidable fraction of the particles that have one or more dimensions in the 1-100nm size range. The fraction is less than 50% by number and accordingly we consider that TiONA® and TiKON™ products do not meet the EU Commission recommended definition of nanomaterial.

Please contact Tronox Product Stewardship with questions regarding this statement, [ChemProdSteward@tronox.com](mailto:ChemProdSteward@tronox.com)

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