



NANOTECHNOLOGY STANDARDS

The acronym used for the materials produced by nanotechnology is NOAA which stands for Nano-Objects and their Aggregates and Agglomerates. NOAAs which have particle size up to 100 nm are called “Nano-objects” and those larger than 100 nm are called as their aggregates or agglomerates.

By the aid of their tiny size, nano particles can penetrate into skin, and can also pass through cellular membranes once they enter the body. This make NOAAs to have much larger toxic potentials when compared to materials with the same composition but have larger particle size.

TC229 Technical Committee of ISO and Europe Standardization Committee are conducting a joint study on related standards. The study is being realized by different working groups which focus

- (a) to create a common terminology,
- (b) to standardize the methods of measurement and characterization,
- (c) to develop standards on the definition and control of related HSE risks.

Working groups are composed of the representatives from governmental institutions and from industrial sectors (including paint industry) which produce or use NOAAs.

IPPIC takes part in the studies under the leadership of ISO; and FIPEC¹ joins the studies in CEN on behalf of CEPE and IPPIC.

¹ Fédération des industries des peintures, encres, couleurs, colles et adhésifs, Préservation du bois.