

# U.S. Consumer Product Safety Commission

## MEETING LOG

**PRODUCT:** Nanotechnology

**SUBJECT:** ISO/TC 229 Nanotechnologies Working Group 3 (Health Safety and the Environment)  
Virtual Meeting to Discuss Potential New Work Item Proposals (NWIPs)

**LOCATION:** Teleconference

**DATE:** December 11, 2024

**ENTRY DATE:** December 12, 2024

**LOG ENTRY SOURCE:** Joanna Matheson (HSTR)

**COMMISSION ATTENDEES:** Joanna Matheson (HSTR)

**NON-COMMISSION ATTENDEES:** Contact ANSI for a complete list.

### MEETING SUMMARY:

ISO Technical Committee 229 (ISO TC/229) focuses on standardization in the field of nanotechnologies, understanding and control of matter and processes at the nanoscale where the onset of size-dependent phenomena usually enables novel applications, as well as use of nanoscale materials to create improved materials, devices, and systems that exploit these new properties. Specific working groups address the development of standards and guides for terminology and nomenclature; metrology and instrumentation; test methodologies; modelling and simulations; and science-based health, safety, and environmental practices.

Before discussing new work item proposals, it was noted that three work items have been recently published, ISO/TS 12901-1 *Occupational risk management applied to engineering nanomaterials – part I: principles and approaches*; ISO/TS 13329 *Preparation of safety data sheets (SDS)*; and ISO 4962 *In vitro acute nanoparticle phototoxicity assay*.

ISO TC/229 encourages proposals for new projects. Presentations were given on four new work item proposals: *Macrophage phagocytosis assay to evaluate the effect of nanomaterials on the innate immune system and diseases*; *Gold nanoparticle – a control for in vitro nanotoxicity assays*; *Investigating nanomaterial exposure from textiles: state of the science, data gaps, future textile standards*; and *Determination of cisplatin in nanobiomaterials – spectrophotometric method using o-phenylenediamine*.

The working group experts supported the advancement of all four proposed projects for development as either a preliminary work item, a technical report, or a new work item proposal.