

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: July 20, 2022

ENTRY DATE: July 21, 2022

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.

ISO TC/229 encourages proposals for new projects. Presentations were given on two new work item proposals (NWIP): *Method for the removal of carbon nanomaterials from wastewater using hypochlorite*, and *Method for characterizing and quantifying reassembled nanomaterials in organs*. The working group experts supported the advancement of these NWIPs to ISO/TC 229 for consideration and balloting, with the understanding that comments provided during the meeting are addressed.

The first presentation has a focus on environmental toxicity, a topic area that falls out of CPSC jurisdiction. The second proposed project is similar to a current ISO project on digesting tissues with proteinase K; where the method differs is it will characterize and quantify the nanomaterials in tissues and body fluids, with an initial focus on iron oxide nanomaterials. Staff will monitor the progress of this project.