Nanoparticles are particles between 1 and 100 nanometres (nm) in size.

The health effects associated with exposure to nanoparticles are not well understood and are subject to ongoing research. The hazards associated with exposure to nanoparticles include inhalation (most concerning), ingestion, skin contact, and potential for dust explosion.

Training

A nanoparticle training session is available for individuals who will be using nanoparticles as part of their research. The training session provides a basic understanding of the potential hazards associated with the use and handling of nanoparticles.

To schedule a session, please contact safetyresources@usask.ca.

Requirements

To work with nanoparticles and/or nanomaterials on campus, you must:

- Complete safety training session
- Complete a reporting form
- Ensure usage of proper controls when handling nanoparticles
- Ensure proper transport and disposal methods are employed

Contact the Safety Management System team.