

Nanoparticles or Nanomaterial



Manmade nanoparticles or nanomaterial include, but are not limited to, engineered carbon, nanotubes, Bucky balls, Nano diamonds, silver, gold, etc. They present some unique characteristics that must be considered prior to use. They may come in the form of a suspension, a powder, as an antibody conjugate, or some other form. The risks associated with this material are highly dependent on not only the inherent characteristics of the material, but also on the form. You **MUST** consider the following guidelines before beginning work with these materials.

DO:

- ✓ Register your proposed research if you are using any manmade nanoparticles.
- ✓ Conduct a Risk/Exposure Assessment as part of project planning (contact Judy McBride, 934-1515, for assistance).
- ✓ Enroll in or update Enrollment in the OH&S Employee Health Program. Include this material in your job description.
- ✓ Complete the Nanotech Awareness Training (everyone who enters the room where this material will be utilized).
- ✓ Ensure that this work is included in your Lab Safety Plan.
- ✓ Wear appropriate PPE.
- ✓ Have a material-specific spill response plan and spill kit readily available.

DON'T:

- ✗ Work with dry nanomaterial in the open.
- ✗ Acquire and use a respirator prior to being fit-tested by OH&S Employee Health.
- ✗ Allow unauthorized access to the area where nanomaterial is stored or used.
- ✗ Allow work with this material by untrained personnel.
- ✗ Assume that these materials can't be hazardous; they can be extremely hazardous.
- ✗ Be afraid to ask for assistance from OH&S if you are unsure about anything.
- ✗ Put your safety and the safety of others in jeopardy by working with nanoparticles or nanomaterial in an inappropriate manner.