WHO guidelines on protecting workers from potential risks of manufactured nanomaterials: recommendations

Apply best practices

- Involve workers in all phases of risk assessment and control
- Train and educate workers

Assess health hazards

- Assign hazard classes according to the globally harmonized system
- Update safety data sheets with nano information
- Use available classification for manufactured nanomaterials in the same group

Assess exposure

- Assess workers’ exposure
- Assess if exposure exceeds occupational exposure limit value
- Apply step-wise approach if no occupational exposure limit available

Control exposure

- Prevent inhalation of manufactured nanomaterials
- Focus on cleaning tasks, collecting material from reaction vessels and feeding manufactured nanomaterials into the production process
- Implement the highest level of control when no toxicological information available

Prevent dermal exposure

- Use control banding if no assessment and measurement possible

Link to the guidelines: http://www.who.int/occupational_health/publications/manufactured-nanomaterials/en/