

YES NO

1. SDS (Safety Data Sheet) provided to EH&S
2. Safety precautions reviewed
3. Safety precautions relayed to all laboratory personnel
4. Chemical meets OSHA's definition of highly toxic agent as defined by OSHA in 29 CFR 1910.1200
5. Is the chemical a radioactive agent?

If yes is checked for 4, please submit the SOP for Use of Particularly Hazardous Substances, as outlined in the Chemical Hygiene Plan. Also, if yes is checked for 4 and /or 5, the chemical will need the approval of the Radiation and Chemical Safety Committee.

What is a "Highly Toxic Agent"

As defined by 29 CFR 1910.1200 [Appendix A](#), a **highly toxic chemical** is a chemical that meets the following definition:

"Highly Toxic" A chemical falling within any of the following categories:

- (a) A chemical that has a median lethal dose (LD(50)) of 50 milligrams or less per kilogram of body weight when administered orally to albino rats weighing between 200 and 300 grams each.
- (b) A chemical that has a median lethal dose (LD(50)) of 200 milligrams or less per kilogram of body weight when administered by continuous contact for 24 hours (or less if death occurs within 24 hours) with the bare skin of albino rabbits weighing between two and three kilograms each.
- (c) A chemical that has a median lethal concentration (LC(50)) in air of 200 parts per million by volume or less of gas or vapor, or 2 milligrams per liter or less of mist, fume, or dust, when administered by continuous inhalation for one hour (or less if death occurs within one hour) to albino rats weighing between 200 and 300 grams each.

Or is listed on the following list:

https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_id=9761&p_table=standards