

Use of Urethane

Purpose:

To provide guidance for the use of Urethane in the laboratory and animal facility environment.

Precautions:

The following information can be used to complete the Safety section of your animal protocol.

1. Chemical hazard agents – (Identify the category of the chemical): (*Select the following*)
 - Carcinogen
2. Containment preparation – (Containment equipment required for the preparation of the chemical): (*Select both of the following*)
 - Fume Hood
3. Containment animals – (Containment equipment required for chemical administration and handling animals after exposure to the chemical): (*Select one of the following*)
 - No special containment needed
4. PPE needed - (for handling live animals, carcasses or animal waste/dirty bedding): (*Select the following*)
 - Exam gloves – nitrile
 - Safety glasses/goggles
 - Lab coat or disposable gown
5. Waste Disposal: (disposal of animal waste/dirty bedding from animals after exposure to the chemical) (*Select both options and include additional information for Other*)
 - Bag animal waste/dirty bedding and place sealed bag in secondary container and place secondary container in regular trash.
6. Carcass disposal: (*Select both options and include additional information for Other*)
 - Pick up by EH&S for incineration.
7. Chemical human risk: (*Add the following*):
 - Exposure to urethane has been associated with an increased risk of cancer.

Additional Information:

Unused, expired, or unwanted mixtures of this compound that were intended to be applied to animals are regulated as Hazardous Waste Pharmaceuticals. When chemicals are ready for disposal, submit a request via the Chemical Disposal/Surplus Pickup Request Form. You must also fill out the paper Surplus Chemicals Form and keep it with the chemicals for pick up. List the chemicals as 'Hazardous Waste Pharmaceuticals' and place the chemicals inside a sealed container. This can be as simple as a plastic Ziploc bag or a rigid plastic container with a lid. Label the container with 'Hazardous Waste Pharmaceuticals' and the date of the first item that was added to the container. Waste items for disposal must be picked up within 1 year, and you can always have them picked up sooner.

<https://ehs.wisc.edu/disposal-services/chemical-disposal/chemical-disposal-surplus-pick-up-form/>

References:

"Urethane SDS"

<https://www.sigmaaldrich.com/US/en/product/sigma/u2500>