

Updated 05/10/2017

Standard Operating Procedures for Urethane

For an Emergency refer to the Safety Data Sheet

Hazards:

Carcinogen- Known to cause cancer in humans

Irritant- Eyes, mucous membranes, skin

Toxin- Kidneys, liver, CNS

Chemical handling instructions:

Personal Protective Equipment (PPE):

Those handling urethane must wear chemically resistant gloves, lab coat, eye protection, and appropriate lab attire (pants, closed-toe shoes).

If manipulations will occur outside of a chemical fume hood, personnel must wear respirator equipped with a multi-gas filter until an exposure assessment can be conducted.

Preparing urethane solutions:

1. Those preparing urethane solutions must always handle it inside a certified chemical fume hood.
2. Care should be taken to not generate any aerosol during the preparation or injection procedure.

Waste disposal:

1. Any leftover/unused urethane should be collected for disposal as chemical waste.
2. Used needles/syringes should be disposed in a sharps container destined for incineration.
3. Contact the Safety Office at x2697 or SafetyOffice@unthsc.edu for hazardous waste pickup.

Animal Experiments

There are no additional precautions required for usage in animals.