

HAZARDOUS DRUGS (HD) SPILL CLEANUP - IN SERVICE

Definition Hazardous Drugs: drugs that exhibit one or more of the following characteristics in humans or animals. Include cancer chemotherapy drugs, antiviral drugs, hormones, some bioengineered drugs and other miscellaneous drugs.

- Carcinogenicity – ability to cause cancer (carcinogen);
- Teratogenicity – ability to cause defects in fetal development or malfunction (teratogen);
- Reproductive toxicity – ability to cause fertility impairment and adverse reproductive outcomes in both men and women;
- Organ toxicity at low doses;
- Genotoxicity – ability to cause a change or mutation in genetic material (mutagen); and/or
- Structure and toxicity profiles of new drugs that mimic existing drugs determined hazardous by the above criteria (*Reference: NIOSH and Admin MM0081*)

[NIOSH List of Antineoplastic and Other Hazardous Drugs \(2016\)](#)

- >200 drugs on list
- The May 28, 2021 Notice on NIOSH webpage lists additional drugs to be handled as hazardous drugs

Review Hazardous Drugs Safety Information:

- Know how to access pharmaceutical Safety Data Sheets (SDS) on hospital intranet using [MicroMedex](#) and [Lexicomp](#)
- Product inserts
- [OSHA](#) and [NIOSH](#) websites
- [NIOSH Alert – Preventing Occupational Exposures to Antineoplastic and other Hazardous Drugs in Health Care Settings](#)
- [USP 800 Hazardous Drugs Handling in Healthcare Settings](#)
- [Safe Handling of Hazardous Drugs, Oncology Nursing Society \(ONS\)](#)
- [ASHP Guidelines on Handling Hazardous Drugs, American Society of Health-System Pharmacists](#)
- [Admin MM0081, Hazardous Drugs Management](#)

Hazardous Drugs Spill Management:

Classification of Spills:

Assessment of the size of the spill is important in order to manage it correctly. Spills are classified as either:

- Minor spill (≤ 50 ml or ≤ 50 cc HD) or
- Major spill (> 50 ml or > 50 cc HD)

A) Minor Spills (≤ 50 ml or ≤ 50 cc) – Use Spill Kit

1. Keep spill kit procedures and HD Spill Checklist in spill kit and/or post by spill kit.
2. Ensure your spill kit has two sets of HD Clean wipes.
3. Follow procedures in/by spill kit or refer to [EH&S Healthcare website](#).
4. Order replacement spill kit through Lawson (#60434).

B) Major Spills (>50 ml or >50 cc) – Contact University Police at 911 (cell phone 631-632-3333)

1. Notify coworkers and have area evacuated.
2. Secure area by restricting access and posting signs.
3. If possible, trained staff can use a spill kit/absorbent material to initially contain the spill prior to evacuation. Do not attempt to clean up a major spill.
4. Contact University Police at 911 (cell: 631-632-3333) and give details of spill including specific location, chemical, quantity, and if anyone is injured.
Note: At UH Off-Sites: Call local 911.
5. In case of an injury or chemical contamination:
 - a. Wear PPE and move victim from spill area.
 - b. Remove any contaminated clothing and place in a plastic bag for laundering or disposal.
 - c. Locate nearest emergency safety shower or eyewash. Flush affected areas using eyewash or emergency shower, if available, with copious amounts of water for 15 minutes.
 - d. If first aid trained, administer first aid as appropriate. Assist person to Employee Health & Wellness or Emergency Department (after hours) for treatment. If possible, bring SDS or product label.
6. University Police contact EH&S Fire Marshals for spill response.
7. Staff knowledgeable about the spill provides responders with all pertinent information and SDS.
8. The responders or designee informs staff when it is safe to re-enter spill area.

C) Reporting Procedures

- a. Spills or other incidents resulting in personal injury or contamination of employees require completing an [Employee Injury/Illness Report](#).
- b. Complete [HD Spill Checklist](#) and provide copies to Supervisor, Pharmacy, Employee Health & Wellness and EH&S.

D) Waste Disposal

Contact Environmental Health & Safety (4-6783) to arrange for proper disposal of waste generated from the spill.