



Department of Pharmacy POLICY AND PROCEDURE

POLICY NUMBER: 947
VERSION: 4

SUBJECT: Handling of Medication Spills Involving Antineoplastic Drugs

PURPOSE:

To minimize occupational exposures and divert risks of adverse health effects on personnel, the public, and the environment to hazardous drugs. Also, to comply with applicable regulations and standards for handling and disposal of hazardous drugs.

POLICY:

Incidental spills of hazardous drugs and breakages are to be cleaned up immediately by properly protected personnel in a manner to minimize exposure to personnel and the public. When a spill is outside of the BSC, the area should be identified with a warning sign to limit access to the area. All items used for spill cleanup shall be considered contaminated and disposed of properly as hazardous waste.

PROCEDURE:

A. Personnel Contamination with Hazardous Drugs (Refer to SDS for drug specific recommendations of handling exposures)

1. Contamination of protective equipment or clothing, or direct skin or eye contact should be treated by:
 - a. Immediately removing the gloves or gown, or clothing, taking care to not contaminate surroundings.
 - b. Immediate cleansing of the affected skin with soap and water.
 - c. For eye exposure, flood an affected eye with water or isotonic eyewash designated for that purpose for at least 15 minutes.
2. Notify Pharmacy Director (or designee) and depending of severity of exposure employee may be sent to Employee Health, Urgent Care Clinic, or Emergency Department.
3. Complete Employee Injury Forms if needed (Employee Health, Treatment referral packet (if needed) , Safety Intelligence)

B. Spill Cleanup of Hazardous Drugs outside of BSC

1. Assess the size and scope of the spill. If spill occurred inside a BSC please refer to the Spills in BSC section below.
2. Call for help if needed
3. Post signs to limit access to spill area and alert public safety ext. 14250 for assistance (pager: 661-223-6198)

4. The SDS of hazardous drug spilled should be consulted for specific advice on cleanup. Care must be taken because of unique problems presented by the cleanup of some agents, such as by-product formation.
5. Obtain spill kit and respirator (Spill kits are designed to clean up 1000 ml, obtain additional spill kit(s) as needed).
6. Don appropriate PPE: low permeability gown, shoes covers, splash goggles, gloves (one pair of inner gloves and one pair of outer utility gloves found in spill kit), hair cover, and a NIOSH approved respirator (for a powder or liquid spill where airborne powder or aerosol has been generated)
7. Once fully garbed contain spill use spill kit.
8. Clean up shall proceed from less contaminated areas to greater contaminated areas
9. Clean up shall generally involve careful removal of any broke glass fragments using a small scoop (never with hands) and placing them in sharps container, absorbing liquids with spill pads/gauze, and absorbing powder with damp pads/gauze to minimize dust generation. Follow spill kit instructions for cleanup procedures. **Please follow procedures of specific spill kit.**
10. All contaminated materials shall be placed in Hazardous Drug (HD) disposal bags found in spill kits (including sharps container).
11. **Notify Environmental Services for cleaning.** All contaminated surfaces should be thoroughly cleaned three times with a detergent and water solution. ***Chemical inactivation should be avoided in this setting.***
12. Ensure all clean up material is placed in HD disposal bags and dispose of properly.
13. Carefully remove all PPE using the inner gloves. And dispose of properly as hazardous waste.
14. Remove inner gloves and dispose of as hazardous waste
15. Use proper disposal methods as outlined in Hazardous Material and Pharmaceutical Waste Management Program
16. Wash hands thoroughly with soap and water
17. Ensure spill kit is replenished

C. Spills in BSC's.

1. Hazardous drug spilled inside the isolator shall be clean up immediately
2. Obtain a spill kit if the volume of the spill exceeds 30 mL or the contents of one drug vial
3. Utility gloves (from spill kit) should be worn to remove broken glass in the isolator. Care must be taken not to damage the fixed-glove assembly in the isolator.
4. Isolator sleeves shall be replaced if contaminated from the hazardous drug spill
5. Place glass fragments a puncture-resistant hazardous drug waste container located in the isolator
6. Thoroughly clean the isolator by absorbing liquid/powder material

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7. Decontaminate isolator using surface wipes containing sodium hypochlorite and neutralizer.
8. If the spill results in contaminates onto the HEPA filter, use of the isolator shall be suspended and labeled "DO NOT USE" until the HEPA filter is replaced by properly donned personnel.

D. Documentation:

1. Incident reports (Employee Health and Safety Intelligence) are to be filed to document the spill and persons exposed.

E. Spill Kits/Supplies:

1. Spill kits shall be readily available in the pharmacy
2. Isotonic eyewash shall be readily available in the pharmacy

Approved By: Romina Panoussi (PHARMACY SERVICES CHIEF II)	
Date: 02/09/2016	Original Date: 04/03/2014
Reviewed: 02/09/2016	Next Review Date: 02/09/2017
Supersedes:	