

# St. Michael's

Inspired Care. Inspiring Science.

<b>Title:</b>	<b>Chemical Spill Procedures - Minor</b>		
<b>Program or Department:</b>	Research	<b>Document Type:</b>	PROCEDURE
<b>Effective Date:</b>	January 01,2015	<b>Author</b>	Occupational Hygienist
<b>Next Review Date:</b>	January 01,2016	<b>Reviewing Body:</b>	Research Biosafety Committee
<b>Emergency Code:</b>		<b>Approving Body:</b>	Research Biosafety Committee
<b>Keywords:</b>	Research ,Guide , Chemicals , Spill , Safety	<b>Document Number:</b>	0000001100

## Introduction

There are inherent dangers while working in a research laboratory. Therefore it is paramount that before using any controlled product that one should carefully read the label and material safety data sheet (MSDS). Moreover, in the event of a chemical spill, the individual who caused the spill is the most responsible for prompt and proper clean-up. The following priorities should be observed:

1. The prevention and treatment of injuries
2. The prevention of environmental contamination
3. The protection of property

The following procedure will outline steps for all research laboratory personnel to follow in the event of a chemical spill.

## Associated Procedure

The following are general procedures to be followed for a chemical spill.

1. Immediately alert area occupants and evacuate it necessary
2. If there is a fire or medical attention is needed, dial 911
3. Attend to any people who may be contaminated or injured only if it does not place you at risk
4. If a volatile, flammable material is spilled, and it is safe to remain in the lab, eliminate or control all sources of ignition and ventilate the area by turning on chemical fume hood
5. Before responding to spill ensure you have the following:
  - a. Name of the chemical
  - b. Quantity spilled
  - c. Hazards of the chemical (review MSDS)
6. Locate the chemical spill kit
7. Don personal protective equipment as appropriate for the hazard

8. Confine chemical spill by using absorbent socks placed strategically around spill and around drains
9. Gently placing absorbent pads over the spilled area
10. Once the spilled material has been absorbed, place used absorbent pads in the yellow polypropylene or polyethylene bags
11. Complete a label identifying the hazardous material(s), percentage weight of each hazardous material, approximate volume of spill and affix label to the yellow bag
12. Inform your floors Research Core Facility Coordinator to organise pick up
13. Decontaminate the surface where the spill occurred using a mild detergent and water, if appropriate; alternatively if the spill involved a chemical that may have come in contact with a biohazardous agent then use a hospital approved disinfectant
14. Report all spills to your Principal Investigator
15. Complete online even tracking tool
16. Report to Corporate Health and Safety Services

## Definitions

### Definitions and Abbreviations

#### Minor Chemical Spill

A minor chemical spill is of a size that is manageable (less than 2 litres) when using the chemical spill kits available in the laboratories

#### Controlled Product

“Controlled product” means a product, material, or substance as determined in accordance with Part IV of the Controlled Products Regulation (Canada) to be included in a class listed in Schedule II of the Hazardous Products Act (Canada)

#### MSDS

Material Safety Data Sheet

## Appendix

### Revision Number

### Contact

This document is the property of St. Michael's Hospital. This material has been prepared solely for internal use. St. Michael's does not accept responsibility for the use of this material by any person or organization not associated with St. Michael's. No part of this document may be reproduced in any form for publication without permission from St. Michael's Hospital. Valid only on date printed: January/15/2015