

CHEMICAL SPILL RESPONSE PROCEDURES

REMEMBER: DO FIRST AID FIRST, THEN ASSESS THE SPILL – Is the Spill Major or Minor?

Minor Spill - Definition	Major Spill - Definition
<p>Less than 1 gallon spill of a low toxicity chemical or a spill involving the following:</p> <ul style="list-style-type: none"> • Less than 20 cc/ml of a highly hazardous chemical (carcinogen, reproductive hazard, or has NFPA/HMIS health rating of 3 or 4) or a hazardous drug (i.e., mitomycin, cyclophosphamide) • Blood and/or body fluids 	<p>More than 1 gallon spill of a low toxicity chemical or a spill involving the following:</p> <ul style="list-style-type: none"> • More than 20 cc/ml of a highly hazardous chemical (carcinogen, reproductive hazard, or has NFPA/HMIS health rating of 3 or 4) or a hazardous drug (i.e., mitomycin, cyclophosphamide) • Unknown chemical or product
Minor Spill Response	Major Spill Response
<ol style="list-style-type: none"> 1. Notify fellow workers in vicinity of spill. 2. Secure area, by restricting access and posting signs. 3. Remove any potential ignition sources and unplug nearby electrical equipment. 4. Gather and review safety information on spilled chemical. Review chemical's Material Safety Data Sheet (MSDS) for a hazard assessment and other pertinent information. 5. Locate an appropriate Spill Kit, if available. 6. Don appropriate personal protective equipment (PPE) which usually includes chemical splash goggles, gloves, apron or lab coat. If high splash potential exists, also wear a face shield and protective clothing. 7. Confine and contain spill. Cover spill with appropriate absorbent material. Neutralize acid and base spills prior to cleanup. 8. Clean up spill using a scoop or other suitable item and place material in appropriate disposal container. 9. Decontaminate spill surface with mild detergent and water, as appropriate. Carefully remove PPE, place non-reusable items in disposal container and thoroughly wash hands. 10. Complete a hazardous waste label and affix label to container. Contact EH&S to arrange for waste disposal. 11. Investigate cause of spill and review with EH&S. Document spill, response and follow-up with staff. 12. Replenish spill kit. 	<ol style="list-style-type: none"> 1. Notify and evacuate fellow workers to a safe area. Post signs. DO NOT ATTEMPT TO CLEAN A MAJOR SPILL! 2. If spill poses a fire hazard, activate nearest fire alarm. Call University Police at 911 (cell: 631-632-3333) and give details of spill including specific location, chemical, quantity, and if anyone is injured. 3. In case of an injury or chemical contamination: <ol style="list-style-type: none"> a. Wear PPE and move victim from spill area. b. If first aid trained, administer first aid as appropriate. Assist person to Employee Health or Emergency Department (after hours) for treatment. If possible, bring chemical label or MSDS. c. Locate nearest emergency safety shower or eyewash. Remove contaminated clothing and flush affected areas with copious amounts of water for 15 minutes. 4. University Police will contact EH&S and either EH&S staff or outside personnel will respond to the spill. 5. Staff knowledgeable about the spill should provide responders with all pertinent information and MSDS. 6. The responders or designee will inform staff when it is safe to re-enter spill area. 7. Investigate cause of spill. Document spill, response and follow-up with staff and contact EH&S. <p style="text-align: center;"><u>For further information contact:</u></p> <p style="text-align: center;">Department of Environmental Health & Safety Stony Brook University 110 Suffolk Hall Stony Brook, NY 11794-6200 Phone: 631-632-6410 FAX: 631-632-9683 www.stonybrook.edu/ehs</p>

CAUTION

CHEMICAL SPILL

*AUTHORIZED PERSONNEL
ONLY*