

Large Spill Kit

Rev. 08/2019

Instructions

Always call 650-4280 (lab manager) for help. If you cannot clean the spill, call 650-3064 (EH&S). If you cannot contact anyone and cannot clean the spill, call 911.

You should not clean a spill if:

1. You don't know what the spilled material is
2. You lack the necessary protection or equipment to do the job safely
3. The spill is too large to contain (>4 L in AMSEC)
4. The spill material is highly toxic
5. You feel any symptoms of exposure

If possible, get the lab manager to clean the spill for you. The lab manager is usually available

M – F, 8am – 5pm.

1. Evaluate and Notify

1. Assess the toxicity, flammability, or other hazardous properties (see SDS on lab safety computer)
2. For flammables, beware of potential ignition. Be ready to use fire blanket or extinguisher.
3. Determine if there is an immediate health risk to persons in the lab and, if so, evacuate the lab and call the numbers above.
4. If you feel you can clean the spill safely, continue. If not, call the numbers above. If you cannot clean the spill of a flammable, cover with a fire blanket before evacuating **if safe to do so.**

2. Containment and Cleanup

1. Equip a lab coat, lab apron, splash goggles (should have already been on), and face shield. (See PPE station).
2. Equip gloves appropriate for chemical spilled. See selection guide inside glove bag inside bucket #1.
3. Use vermiculite (absorbent) to contain the spill. This is in bucket #2. Pour the absorbent around the spill to prevent spreading.
4. Using the push broom with the red handle, mix the vermiculite and spill together until all the spill is absorbed. Add more vermiculite as needed. **More vermiculite is available in ES 128B on the window sill.**
5. Using the large dust pan with the red handle, scoop up all absorbent and pour into empty spill kit bucket. Avoid physical contact with soiled absorbent. Avoid getting your face close to it.
6. Use wet paper towels to ensure that all contaminated surfaces are clean of all residue. Dispose of all materials contaminated by the spill in the same bucket as the soiled absorbent if it fits. If necessary, use a large zip lock or the second bucket for the rest. No need to wipe up after volatile organic solvents.
7. Place the broom and dust pan in a large garbage bag provided in bucket #1. Tie the top and seal as well as you can. Make sure to label what chemical was cleaned for later decontamination by the lab manager.
8. Place gloves and anything else contaminated by the spill in the bucket or zip lock as well before sealing. Firmly close the lid on the bucket with waste. They should be airtight. Once sealed, fill out the waste label provided in the bucket **in pencil** with all contents including solids.
9. Store in a fume hood until the lab manager or EH&S can dispose of properly.
10. **Always notify the lab manager of a spill.**

3. Follow-up

1. Inform the lab manager of any personnel exposures or release to the environment.
2. Fill out an incident report with the lab manager.