CONTENTS OF CHEMICAL SPILL KIT

1. Absorbents
   - Universal Spill Absorbent – universal spill pillow or absorbent pads in commercial spill kits. Alternatively, a 1:1:1 mixture of Flor-Dri (or unscented kitty litter), sodium bicarbonate, and sand. *This all-purpose absorbent is good for most chemical spills including solvents, acids (NOT for hydrofluoric acid), and bases.*
   - Hydrofluoric Acid - HF compatible spill pillow or liquid “HF acid eater”
   - Solvents/Organic Liquid Absorbent - Inert absorbents such as vermiculite, clay, sand, Flor-Dri, and Oil-Dri.

2. Neutralizers
   - Acid Spill Neutralizer - sodium bicarbonate, sodium carbonate, or calcium carbonate.
   - Alkali (Base) Neutralizer - sodium bisulfate.
   - Bromine Neutralizer - 5% solution of sodium thiosulfate and inert absorbent.

3. Personal Protective Equipment (PPE)
   - Goggles and Face Shield
   - Heavy Neoprene Gloves
   - Disposable Lab Coat and Corrosive Apron
   - Plastic Vinyl Booties

4. Tools for clean-up
   - Plastic Dust Pan and Scoop
   - Plastic Bags (30 Gallon, 3 mm thickness) for contaminated PPE
   - One Plastic Bucket (5 gallon polyethylene) with lid for spill and absorbent residues

5. Others
   - For HF: calcium gluconate gel (always check expiration date)
   - For mercury: aspirator bulb and mercury decontaminating powder
   - For alkali metals: dry sand or a class “D” fire extinguisher
   - For acid chlorides - Oil Dri, Zorb-All or dry sand

6. Spill clean-up procedure