



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