



# Caustic Cleaner

## Minor Spill (up to 1 gallon)

### Clean Up Procedures

**Only trained staff may clean up a minor spill.**

1. **Notify co-workers** of spill and **restrict access** to the affected area during clean up.
2. **Retrieve caustic spill kit** that includes Spill-X-C, personal protective equipment, brush and scoop, scraper, pH kit, and waste disposal bag.
3. Wear **personal protective equipment** – neoprene or nitrile gloves, chemical splash goggles, and gown (or lab coat/apron).
4. **Add Spill-X-C** (2.0 lbs./0.90 kg per bottle, 1 bottle treats .5 gallons) to spill as follows:
5. **Encircle the spill** at its perimeter with Spill-X-C (to contain it), **then apply inward, covering spill evenly.**
6. Using scraper, cautiously **mix Spill-X-C into spill** to completely neutralize the material.
7. **Measure pH of waste product** to be certain it has been sufficiently neutralized (see instructions in pH kit).
8. Use scraper and scoop to place neutralized waste material in waste disposal bag, and attach orange *Hazardous Waste* label to bag. **Call Environmental Health & Safety (EH&S)** at 4-6783 for waste pick-up.



**Reorder Spill-X-C** at [www.zoro.com](http://www.zoro.com) (part #G906625502). For a **replacement kit**, contact EH&S at 4-6783.

**For a major spill or if you need assistance:**

**In University Hospital: Call University Police, 911 (cell phone: 631-632-3333)**

**In Hospital Off Site Facilities: Call local police, 911.**

## MEASURING pH

**Personal protective equipment MUST be worn during this procedure.**

1. Place about 10cc (2 teaspoons) of a representative sample of spill residue in the provided test cup.
2. Slowly add distilled water until mixture reaches **100ml (line marked on cup)**. Stir (**do not shake**) contents for about 3 minutes (*note: severe foaming and/ or high heat generation is a sign of incomplete spill neutralization*).
3. Using a pH test strip (provided), test solution pH. The USEPA criteria for caustic **waste requires a pH lower than 12.5**. If the pH is unacceptable, mix more Spill-X-C into the spill, and retest for pH. Repeat this procedure as necessary until spill residue pH is acceptable.
4. Record final pH onto chemical waste spill disposal bag label (provided). **Call Environmental Health & Safety (EH&S)** at 4-6783 for waste pick-up.

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