

Peroxide Forming Chemical (PFC) Disposal Flowchart

The following attributes designate a High Hazard PFC: Discoloration, Crystallization, Cloudiness, Polymerization, Unknown date of last opening, Chemical is expired, Chemical has been open more than a year without testing.

Found a High Hazard PFC? DO NOT ATTEMPT TO MOVE OR OPEN THE CONTAINER. Dispose as High Hazard PFC.
Any other PFC: Practice safe handling and conduct peroxide testing as described below.

Peroxide Class A

Within 3 months of receipt, test for peroxides before each use.

After 3 months from receipt, dispose as a High Hazard PFC even if unopened.

Peroxide test result?

- 0 ppm – use as appropriate
- >0 – dispose as High Hazard PFC

Peroxide Class B and C

Open within 1 year of receipt and test every 3 months.

Testing is not required during the first 6 months following receipt.

****Use Class A schedule for uninhibited Class B****

Peroxide test result?

- <3 ppm – use as appropriate
- 3-10 – safe, do not evaporate to dryness
- 10-30 – neutralize and stabilize, then dispose as regular hazardous waste
- >30 – dispose as High Hazard PFC

Peroxide Class D

Open within 2 years of receipt and test every 6 months.

Testing is not required during the first 12 months following receipt.

Test before each use that involves heating, evaporation, distillation, or mechanical stress.

Peroxide test result?

- <30 ppm – use as appropriate
- >30 – dispose as High Hazard PFC

To dispose of High Hazard PFC, label the container as "High Hazard PFC - Do Not Touch" and submit a PFC request for pickup.
<https://sc.campusoptics.com/hw/peroxide-formers>

Questions, Comments, Concerns? Please contact the Hazardous Waste team at ehshazwaste@mailbox.sc.edu