

Peroxide Forming Chemical Appraisal Process for Divisions

CHSP Peroxide guidelines(11/13/03)

<http://www.lbl.gov/ehs/chsp/html/reactives.shtml#Peroxide>

Researcher: Do you still have chemical?

Researcher:

Update chem
inventory online
(A-Z Index)

No

Yes

Researcher*: Is container within shelf life (see product label) or within safe storage time (see list in CHSP) **AND** are contents free of layering, cloudiness, crystals & wisp like structures?

Researcher: *Do not handle or disturb container.* Contact industrial hygienist (IH) listed in "Help by Division" link in "Who to Call" on EH&S Web page (A-Z Index)

No/Don't know

Yes

Researcher: Do you wish to keep chemical?

No

Yes

Industrial Hygienist: Complete Peroxide Former Evaluation Sheet & perform peroxide test. If unsafe to open, consult reactive materials consultant via Waste Management Group.

Researcher: Measure peroxide concentration with Merckoquant Peroxide Test Strips (0 – 100 ppm range).

Researcher: Put in SAA, minimize handling & submit Waste Req Form. Write peroxide concentration on form if known. Delete from chem inventory after pick up.

≥ 100 ppm

< 100 ppm

Researcher: *Don't handle further.* Contact IH for assistance.

Researcher: Label container. Follow CHSP peroxide controls. Ensure that container is in chemical inventory.

Generator Asst: Complete Peroxide Former Evaluation Sheet & perform peroxide test as needed, otherwise consult with IH providing service to subject Division.

Defer to IH if uncomfortable handling, opening or testing containers *for any reason