

# 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  
<http://cms.lbl.gov>  
POC: Lee  
Aleksich ext. 2994

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  
<http://www.lbl.gov/ehs/index.shtml>

No/Don't know

Yes

**Researcher:** Do you wish to keep chemical?

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

No

Yes

**Researcher:** Measure peroxide concentration with Merkoquant Peroxide Test Strips (0 – 100 ppm range). Obtain from Betsy MacGowan ext. 2826.

**Researcher:** Put in SAA, minimize handling & submit Waste Req Form. Write peroxide concentration on form if known. FAX form to ext. 4838. Delete from chem inventory.

≥ 100 ppm

< 100 ppm

**Generator Asst:** Complete Peroxide Former Evaluation Sheet & perform peroxide test as needed, otherwise consult with IH providing service to subject Division. Provide sheet & test results to Larry McLouth ext. 5286

(ldmclouth@lbl.gov)

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

**Researcher:** Label container (Stores P/N 4280-90376). Follow CHSP peroxide controls. Ensure that container is in chemical inventory.

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