

Condensed Oxygen

Recognize the Dangers:

- Strong oxidizer
- Cryogenic liquid



How it occurs:

Oxygen BP: 90 K,

Nitrogen BP: 77 K

Vacuum line is open to atmosphere



<https://www.afcent.af.mil/Units/455th-Air-Expeditionary-Wing/Photos/igphoto/2000316697/>

Condensed Oxygen

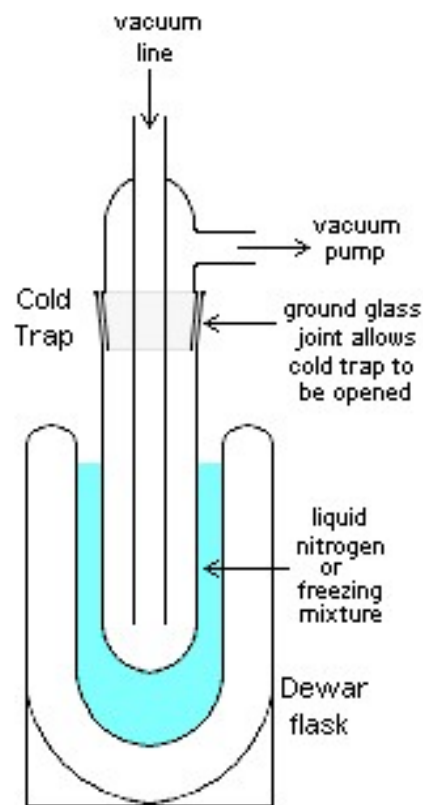
What to do:

1. Alert everyone
2. Blast shield
3. Evacuate lab
4. Test for peroxides*

Prevention:

Starting: Close line, pump, cool

Ending: remove N₂, stop pump, open line



<https://rubingroup.org/>
https://en.Wikipedia.org/wiki/Cold_trap#/media/File:Cold_Train.PNG