

A number of organic chemicals may form unstable and dangerous peroxide compounds when stored for extended time and left unchecked. Such chemicals pose a significant hazard as they can be explosive if heated or subjected to mechanical shock. Typically, the more concentrated a peroxide forming compound is (i.e. concentrated solutions after undergoing evaporation or distillation) the greater

<ol style="list-style-type: none">3. Benzyl alcohol4. 2-Butanol5. Cumene6. Cyclohexanol7. Cyclohexene8. 2-cyclohexen-1-ol9. Decahydronaphthalene10. Diacetylene11. Dicyclopentadiene12. Diethyl ether (ether)13. Diglyme14. Dioxane15. Glyme16. Furan17. 4-Heptanol18. 2-Hexanol19. Methyl acetylene20. 3-Methyl-1-butanol21. Methyl cyclopentane22. Methyl isobutyl ketone23. 2-Methyl-2-pentanol24. 2-Pentanol25. 4-Penten-1-ol26. 1-Phenylethanol27. 2-Phenylethanol28. 2-Propanol29. Tetrahydrofuran30. Tetrahydronaphthalene31. Vinyl ethers32. Other secondary alcohols	<p>Testing:</p> <ul style="list-style-type: none">A. Every 6 monthsB. Discard after 1 year <p>Important: Consult manufacturers SDS when using these chemicals</p>
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List C – Hazard due to Peroxide Initiation of Polymerisation (Extremely shock and heat sensitive)

Highly reactive and can auto-polymerize as a result of internal peroxide accumulation. The peroxides formed in these reactions are highly shock and heat sensitive

List D – Potential Peroxide formers

The following		any of the
<ol style="list-style-type: none">1. Acrolein2. Allyl ether3. Allyl ethyl ether4. Allyl phenyl ether5. p-(n-Amyloxy)benzoyl chloride6. n-Amyl ether7. Benzyl n-butyl ether8. Benzyl ether9. Benzyl ethyl ether10. Benzyl methyl ether11. Benzyl 1-naphthyl ether	above 3 categories:	

This chemical forms peroxides during storage thus limiting its shelf life. Test or dispose ____ months after opened.

Date Received _____ Date Tested _____
Date First Opened _____ Test Results _____
Dispose By (date) _____

Warning: Peroxide-Forming Chemical

Please ensure you do the following;

1. This chemical must be stored in its original container, with the lid tightly closed.
2. Ensure that in storage this chemical has minimal exposure to light, air, and heat.
3. If crystals, discoloration, or layering are visible do not move or open container
4. Refer to manufacturers SDS or CHEMALERT for further information
5. For disposal, please contact the UNSW HS unit

Check for peroxides before distilling or concentrating.

This chemical forms peroxides during storage, limiting its shelf life. Test or dispose ____ months after opened.

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