

Effect of the amount of this solvent on reaction kinetic of polyesterification, molar mass distribution of resultant alkyd and effect on film properties of alkyd resins have to be studied.

### 6.3 References

1. M.A.B. Prashantha, Synthesis and characterization of novel alkyd resin based on Karawila seed oil, PhD thesis, 2007, page 1-160
2. <http://www.paint.org>
3. [http://en.wikipedia.org/wiki/Coconut\\_oil](http://en.wikipedia.org/wiki/Coconut_oil)
4. <http://www.coconutresearchcenter.org/>
5. <http://www.cda.lk/index.php>
6. [http://www.cri.lk/vital\\_stats.html](http://www.cri.lk/vital_stats.html)
7. Bhupesh C. Roy, Motonobu Goto, Tsutomu Hirose, International Journal of food Science and Technology, 2003, Vol 31, issue 2, page 137-141
8. C.O. Akintayo, K.O. Adebawale, Synthesis and characterization of Acrylated *Albizia benth* medium oil alkyds, Progress in Organic Coatings, 2004, Vol 50, page 207 – 211
9. A.I. Aigbodiona, C.K.S. Pillai, Preparation, analysis and applications of rubber seed oil and its derivatives in surface coatings, Progress in Organic Coatings, Vol 38, 2000, page 187–192
10. N.Dutta, N.Karak, S.K.Dolui, Synthesis and Characterization of Polyester resins based on Nahar seed oil, Progress in organic coating, 2004, Vol 49, page 146-152
11. E.T. Akintayo, E. Bayer, Characterisation and some possible uses of Plukenetia conophora and Adenopus breviorus seeds and seed oils, Progress in Organic Coatings, 2002, Vol 85, page 95–97
12. A.I. Aigbodion , F.E. Okieimen, E.O. Obazee, I.O. Bakare, Utilisation of aleinized rubber seed oil and its alkyd resin as binders in water-borne coatings, Progress in Organic Coatings, 2003, Vol 46, page 28 – 31
13. A.I. Aigbodion, F.E. Okieimen, An investigation of the Utilization of African Locust Bean seed oil in the preparation of alkyd resins, Industrial Crops and Products, 2001, Vol 13, page 29–34

14. Jacky Mallégol, Jacques Lemaire, Jean-Luc Gardette, Drier Influence on the Curing of linseed oil, *Progress in Organic Coatings*, 2000, Vol 39, page 107–113
15. N.Dutta, N.Karak, S.K.Dolui, Stoving paint from *Mesua ferrea* L. seed oil based short oil polyester and MF resins blend, *Progress in Organic Coatings*, 2008, Vol 58, Page 40–45
16. O. Akaranta, A.C.I. Amusiem, A Bio resource solvent for extraction of castor oil, *Industrial Crops and Products*, 1996, Vol 5, Page 273 – 277
17. C.Stewart Ferguson, Jesse E. Seller, *Protective & Decorative coatings*, New York John Wiley & Sons Incorporation., Vol 1, Page 338-359
18. Oldring, P.K.T., Hayward G., *A Manual for resins for surface coatings*, SITA Technology, 1993, Vol. 1, page 47 – 63, 127 – 198
19. Swaraj Pawl, *Surface coating*, Wiley interscience publication, 1985, page 70-134 & 452-457
20. Erhan Bat, *Synthesis and characterization of hyper branched and air drying fatty acid based resins*, PhD thesis, 2005, page 1-70
21. Gardner Sward, *Paint testing manual ASTM special technical publication*, 1972 Vol.500, Page 55-58
22. Joel R. Fried, *Polymer Science & Technology*, Prentice Hall Incorporation., 1995, Page 675-687
23. Dieter Stoye, Werner Freitag, *Resins for coating*, Henser and Gardner publication Incorporation., 1996, page 60-78
24. Jan w. Gooch, *Emulsification and polymerization of alkyd resins*, Kluwer Academic and plenum publishers, Page 1-25
25. A.R.Anderson, I.M. Thomas, *Encyclopedia of chemical technology*, 2<sup>nd</sup> edition, Vol 1, Page 851-864
26. Prashantha M.A.B., Premachandra J.K., Amarasinghe A.D.U.S., 2009, *Composition, physical properties and drying characteristics of seed oil of Momodica charantia cultivated in Sri Lanka*, *J. Am. Oil Chem.*, vol 87, page 27-32
27. Suman yadav, Fahmina Zafar, Abdul Hasnat, Sharif Ahmad, *Poly (urethane fatty amide) resin from linseed oil-a renewable resource*, *Progress in organic coatings*, 2008

28. Solomon D.H., Swift J.D, The influence of catalysts on the glycerolysis of linseed oil, Journal oil color chemist association, vol49, 1966, page 915-927
29. Syed Haseebuddin, Randhir Parmar, Gulzar Waghoo, Swapan K. Ghosh, Study of hexafunctional polyol in high solids air drying alkyd: improved film performance, Progress in organic coating, 2008
30. Turner G.P.A., 1988, Introduction to paint chemistry and principles of paint technology, Chapman and hall
31. R. Stanfield, Basic Science for students of paint technology, Oil and Colour Chemists association student momograph 1, 1998, page 27-35
32. L.A. Fisher, G.R. Hayward, The Basics of Resin Technology, Oil and Colour Chemists association student momograph 10, 1998, page 1-20



University of Moratuwa, Sri Lanka.  
Electronic Theses & Dissertations  
[www.lib.mrt.ac.lk](http://www.lib.mrt.ac.lk)