PREFACE

Cardanol is a substituted phenol obtained by the vacuum distillation of cashew nut shell liquid (CNSL). It is a feasible alternative to petrochemically derived phenol for many applications. This thesis is on the utilization of this substance for various rubber processing applications. It consists of six chapters. The first chapter consists of introduction and literature survey. The utilization of cardanol as plasticizer, co-activator, antioxidant and accelerator in natural rubber (NR) processing is dealt with in the second chapter. Cardanol in nitrile rubber (NBR) processing is the subject of the third chapter. Use of cardanol in processing ethylene propylene diene monomer (EPDM) is investigated in the fourth chapter. Applications of cardanol in chloroprene (CR) processing are given in the fifth chapter and the major findings are summarised in the sixth chapter.

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