

(54) Title of the invention : FORMULATION OF NATURAL PRODUCT BASED, ECONOMIC, EFFECTIVE AND ECOFRIENDLY LOW FOAMING CLEANSING LIQUID FOR SOFT TEXTILES AND METAL SURFACES

<p>(51) International classification :C11D000300000, A61Q001910000, C11D0003430000, A23L0029206000, C11D0003370000</p> <p>(86) International Application No Filing Date :PCT// :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number Filing Date :NA :NA</p> <p>(62) Divisional to Application Number Filing Date :NA :NA</p>	<p>(71)Name of Applicant :  <b>1)R.V.R &amp; J.C COLLEGE OF ENGINEERING</b>  Address of Applicant :R.V.R &amp; J.C COLLEGE OF ENGINEERING CHOWDAVARAM, GUNTUR-522 019 ANDHRA PRADESH, INDIA -----  -----</p> <p><b>Name of Applicant : NA</b>  <b>Address of Applicant : NA</b></p> <p>(72)Name of Inventor :  <b>1)DR. K. SOBHA (ASSOCIATE PROFESSOR)</b>  Address of Applicant :Department of Chemical Engineering R.V.R &amp; J.C COLLEGE OF ENGINEERING CHOWDAVARAM, GUNTUR-522 019 ANDHRA PRADESH, INDIA sobhakota2005@gmail.com ksobha@rvrjc.ac.in ---  -----</p> <p><b>2)DR. M. SUDHEERA (ASSISTANT PROFESSOR)</b>  Address of Applicant :Department of Chemical Engineering R.V.R &amp; J.C COLLEGE OF ENGINEERING CHOWDAVARAM, GUNTUR-522 019 ANDHRA PRADESH, INDIA sudheemaneipalli@gmail.com -----  -----</p> <p><b>3)DR. CH. V. SUBRAHMANYAM (PROFESSOR &amp; HEAD)</b>  Address of Applicant :Department of Chemical Engineering R.V.R &amp; J.C COLLEGE OF ENGINEERING CHOWDAVARAM, GUNTUR-522 019 ANDHRA PRADESH, INDIA hodche@rvrjc.ac.in -----  -----</p> <p><b>4)DR. K. RAMESH CHANDRA (ASSOCIATE PROFESSOR)</b>  Address of Applicant :Department of Chemical Engineering R.V.R &amp; J.C COLLEGE OF ENGINEERING CHOWDAVARAM, GUNTUR-522 019 ANDHRA PRADESH, INDIA kolasani_ramesh@yahoo.co.in -----  -----</p> <p><b>5)DR. D. N. V. SATYANARAYANA (ASSOCIATE PROFESSOR)</b>  Address of Applicant :Department of Chemical Engineering R.V.R &amp; J.C COLLEGE OF ENGINEERING CHOWDAVARAM, GUNTUR-522 019 ANDHRA PRADESH, INDIA dnv_satya2001@yahoo.co.in -----  -----</p> <p><b>6)DR. P. ROHINI KUMAR (ASSOCIATE PROFESSOR)</b>  Address of Applicant :Department of Chemical Engineering R.V.R &amp; J.C COLLEGE OF ENGINEERING CHOWDAVARAM, GUNTUR-522 019 ANDHRA PRADESH, INDIA kumar.rohini@yahoo.co.in -----  -----</p> <p><b>7)MRS. J. L. JAYANTHI (ASSISTANT PROFESSOR)</b>  Address of Applicant :Department of Chemical Engineering R.V.R &amp; J.C COLLEGE OF ENGINEERING CHOWDAVARAM, GUNTUR-522 019 ANDHRA PRADESH, INDIA jayanthi@rvrjce.ac.in -----  -----</p> <p><b>8)MR. K. SIVA PRASADA RAO (ASSISTANT PROFESSOR)</b>  Address of Applicant :Department of Chemical Engineering R.V.R &amp; J.C COLLEGE OF ENGINEERING CHOWDAVARAM, GUNTUR-522 019 ANDHRA PRADESH, INDIA sivakrosuri@gmail.com -----  -----</p> <p><b>9)DR. G. KAVITHA (ASSISTANT PROFESSOR)</b>  Address of Applicant :Department of Chemical Engineering R.V.R &amp; J.C COLLEGE OF ENGINEERING CHOWDAVARAM, GUNTUR-522 019 ANDHRA PRADESH, INDIA sri.kavitha09@gmail.com -----  -----</p>
--	---

(57) Abstract :

ABSTRACT FORMULATION OF NATURAL PRODUCT BASED, ECONOMIC, EFFECTIVE AND ECOFRIENDLY LOW FOAMING CLEANSING LIQUID FOR SOFT TEXTILES AND METAL SURFACES The present invention provides an approach for formulations of natural product based, economic, effective and ecofriendly low foaming cleansing liquid for soft textiles and metal surfaces. The method comprises use of plant-based surfactants that are free of phosphates. A suitable combination of natural components of the formulation was identified and evaluated the efficacy of the developed liquid cleansing agent / detergent against the available market liquid detergents and enhanced the same through suitable modifications. Multiple alternatives of the plants for use in formulation are listed, while the soap nuts and the gum are the essential requisites.

No. of Pages : 18 No. of Claims : 5