

# Accepted Manuscript

Studies on composite solid propellant with tri-modal ammonium perchlorate containing an ultrafine fraction

K.V. SureshBabu, P. KanakaRaju, C.R. Thomas, A. SyedHamed, K.N. Ninan

PII: S2214-9147(17)30022-3

DOI: [10.1016/j.dt.2017.06.001](https://doi.org/10.1016/j.dt.2017.06.001)

Reference: DT 260

To appear in: *Defence Technology*

Received Date: 14 January 2017

Revised Date: 19 May 2017

Accepted Date: 7 June 2017

Please cite this article as: SureshBabu KV, KanakaRaju P, Thomas CR, SyedHamed A, Ninan KN, Studies on composite solid propellant with tri-modal ammonium perchlorate containing an ultrafine fraction, *Defence Technology* (2017), doi: 10.1016/j.dt.2017.06.001.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



# Studies on Composite Solid Propellant with Tri-modal Ammonium Perchlorate Containing an Ultrafine Fraction

K.V.SureshBabu<sup>a\*</sup>, P.KanakaRaju<sup>a</sup>, C.R. Thomas<sup>b</sup>, A.SyedHamed<sup>a</sup>, K.N.Ninan<sup>c</sup>

<sup>a</sup> Solid Propellant Space Booster Plant, Satish Dhawan Space Centre, Sriharikota – 524124, India

<sup>b</sup> Rocket Propellant Plant, Vikram Sarabhai Space Centre, Thiruvananthapuram-695 022, India.

<sup>c</sup> Department of Chemistry, Indian Institute of Space Science and Technology, Thiruvananthapuram – 695 547, India.

## Corresponding Author:

K V Suresh Babu

Solid Propellant Space Booster Plant,  
Satish Dhawan Space Centre,  
Sriharikota – 524124, India

Tel: +91-8623-223287

+91-9440011379

Fax: +91-8623-225154

Email: [suresh32kv@rediffmail.com](mailto:suresh32kv@rediffmail.com), [suresh.babu@shar.gov.in](mailto:suresh.babu@shar.gov.in)

**Running Title:** Optimization of tri-modal Ammonium Perchlorate based Composite Solid Propellant

**Word Count:** 4,138

Download English Version:

<https://daneshyari.com/en/article/7157685>

Download Persian Version:

<https://daneshyari.com/article/7157685>

[Daneshyari.com](https://daneshyari.com)