



SATRA Technology Centre Ltd, SATRA House  
Rockingham Road, Kettering  
Northants., NN16 9JH  
Tel: +44 (0) 1536 410000  
Fax: +44 (0) 1536 410626  
e-mail: info@satra.co.uk

Client: Premier Finishes  
(A & G Toseland)  
St Michaels Road  
Kettering  
Northamptonshire  
NN15 6AU

For the attention of: Mark Gardner

## **TEXTILE AND CLOTHING INVESTIGATION SERVICE**

Subject: Germ Warfare Hygienilac fabric conditioner  
Our Ref: FAB0152841  
Date: 9<sup>th</sup> July 2007

This report has been prepared on the basis of appropriate non-destructive testing and on information supplied to us. SATRA Fabric Care Technology Centre cannot accept liability or responsibility for the factual content of such information. Under our standard terms and conditions we regret that we cannot enter into discussions with third parties with regard to the work carried out in respect of the report, which may only be reproduced in full with the permission of SATRA Fabric Care Technology Centre. Any queries should be made in writing to the SATRA Fabric Care Technology Centre Textile and Clothing Investigation Service.

**SATRA was asked to carry out an experiment to determine if particles within the Hygienilac conditioner could be shown to be present in textile items after washing and treatment with the product.**

The following items of clothing were obtained by SATRA:

Polyester blouse.  
Knitted cotton T shirt.  
Woven cotton shirt.

Each item was cut in half, one half of each item was placed in each of two loads.

**Load 1** consisted of a normal wash at 40°C using a locally purchased non bio detergent without fabric conditioner.

**Load 2** consisted of a normal wash at 40°C using the same wash powder as in load 1 and using fabric conditioner as supplied by Eastern Valley Chemicals containing Germ Warfare Hygienilac, dosed at 50mls through the conditioning dispenser drawer.

Loading was to 2.5kg using boil washed cotton to make up the weight with the samples. Water hardness was 27FH. Two washing machines of similar type were used - Hotpoint First Editions WM52 Spin 1000.

Following washing the textiles were hung to dry.

Samples were taken and examined under SEM (scanning electron microscope).

Particles were present on the samples washed with the germ Warfare Hygienilac fabric conditioner which were not present on the other samples. We believe these particles to be from the Germ Warfare Hygienilac fabric conditioner.

The attached photographs taken using SEM show untreated and treated areas of each of the clothing types washed without and without Hygienilac product, at magnifications of 120X and 500X.

Testing and report by: M F Denton  
FAB0152841

Signed by: C Antrobus  
Business Centre Manager  
SATRA Fabric Care Technology  
Centre

