

## **DCT Royal Guard® LLIN Declaration of Labelling (DOL)**

*Label printed on bag:*

\*Products may be individually packaged or baled in bulk without packaging (i.e. “naked” nets). When distributed in bulk as “naked” nets, leaflets containing the same information as printed on the standard polybag may be distributed concurrently at the decision of the purchaser.

### **1. Product Identification**

Product name: Royal Guard®

Other names: May be overbranded at the discretion of the purchaser. For example, Population Services International (PSI) runs some programs requesting overbranding using the name Super Moustiquaire, SuperNet, or other. The Rwanda Biomedical Center (RBC) overbrands all LLINs they procure and distribute as Tuzanet.

This product is a next generation, dual active ingredient, long lasting insecticidal net (LLIN).

Manufactured by:

Disease Control Technologies, LLC (DCT)  
419 The Parkway #120  
Greer, SC 29650 USA  
[www.diseasecontroltechnologies.com](http://www.diseasecontroltechnologies.com)

Primary Contacts:

Andrew N. Butenhoff  
Managing Director  
+1 864 901 0107  
[andy@diseasecontroltechnologies.com](mailto:andy@diseasecontroltechnologies.com)

Roderick Flinn  
Managing Director, Business Development  
+1 202 465 4611  
[rod@diseasecontroltechnologies.com](mailto:rod@diseasecontroltechnologies.com)

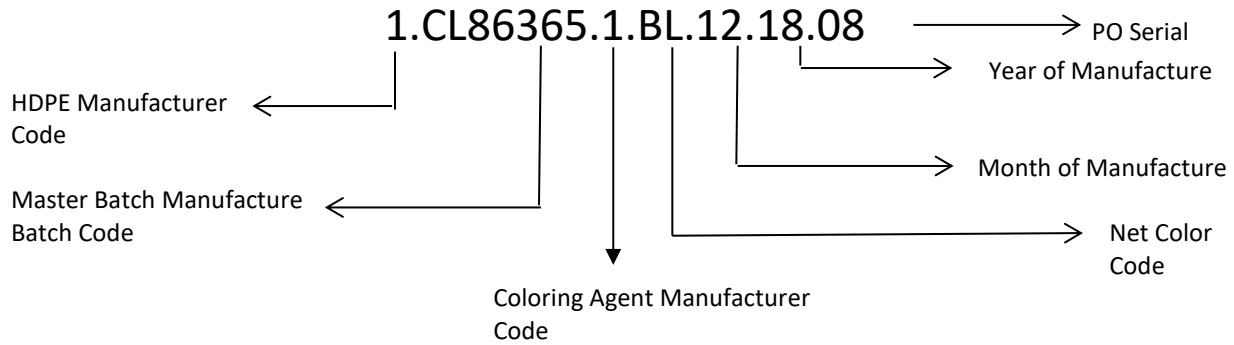
Manufacturing Site Address:

Dean Superior Textile Company Limited  
Baota Industrial Park West Zone, Dean County  
Jiujiang City, Jiangxi Province  
China 330400

Distributed by:

Disease Control Technologies LLC (DCT)  
419 The Parkway #120  
Greer, SC 29650 U.S.A.  
(864) 901-0107  
[www.diseasecontroltechnologies.com](http://www.diseasecontroltechnologies.com)

Batch number (code):



Date of Release: Month Year (i.e. December 2018)

Country of Origin: China

Product versions: 120 and 150 Denier

Colors: White, blue, light blue, green, light green, other colors available upon request

Rectangular (W x L x H)\*:

70 x 180 x 150 cm	160 x 180 x 160 cm
100 x 180 x 150 cm	190 x 180 x 160 cm
130 x 180 x 150 cm	190 x 180 x 170 cm
160 x 180 x 150 cm	190 x 180 x 180 cm
190 x 180 x 150 cm	Other sizes available upon request

\*Note: Some purchasers request size to be listed L x W x H

Conical (circumference x ring diameter x slope height cm)

1050 x 56 x 220 cm    1250 x 65 x 250 cm  
1350 x 75 x 250 cm

Material: 100% polyethylene

Denier: 120  $\pm$  5% or 120  $\pm$  6 or  
150  $\pm$  5% or 150  $\pm$  7.5

Fabric Weight: 120 denier 38 g/m<sup>2</sup>  $\pm$  10% or  $\pm$  3.8  
150 denier 45 g/m<sup>2</sup>  $\pm$  10% or  $\pm$  4.5

Mesh size: Minimum 132 holes/square inch or minimum 20 holes/square cm

## 2. Ingredient Statement

Active Ingredients: Alphacypermethrin CAS # 67375-30-8 and Pyriproxyfen CAS # 95737-68-1  
Royal Guard® LN contains a mixture of Alphacypermethrin and Pyriproxyfen, both incorporated into the monofilament yarn during the extrusion process.

The Alpha-Cypermethrin content shall be declared (5.5 g/kg for 120 denier based products and 5.0 g/kg for 150 denier based products) and, when determined, the average measured content shall not differ from that declared by more than  $\pm 25\%$ .

The Pyriproxyfen content shall be declared (5.5 g/kg for 120 denier based products and 5.0 g/kg for 150 denier based products) and, when determined, the average measured content shall not differ from that declared by more than  $\pm 25\%$ .

The target content of Alpha-cypermethrin and Pyriproxyfen of 5.5 and 5.0 g/kg for the 120 and 150 denier based products, respectively corresponds to  $\sim 225 \text{ mg/m}^2$  in both cases with a tolerance of  $\pm 56.5 \text{ mg/m}^2$ .

Active Ingredients: Alphacypermethrin is a pyrethroid and Pyriproxyfen is an Insect Growth Regulator (IGR).

## 3. Safety

Non-flammable: Meets fire safety regulations EN 1102:2016

## 4. Directions for Use

- Hang your Royal Guard® mosquito net over your bed or mat using the corner and center support loops
- Carefully tuck the net under the edge of your mattress or mat before going to sleep
- Wash the net gently with soap in a bucket or bowl. Do not use bleach, solvents, or other chemicals.
- Hang the net in the shade or inside to dry
- Royal Guard® provides the entire family with complete long lasting protection from mosquitoes and other insects so everyone can enjoy a safe and restful night sleep.

## 5. Care Instructions

- Gentle wash 30°C
- No dry cleaning
- No bleach
- No ironing
- No tumble dry



## 6. Storage Conditions

- Store in a cool dry place away from sunlight

## 7. Product Claims

- Royal Guard® is a first in class next generation dual active ingredient LLIN combining a pyrethroid (Alphacypermethrin) and an insect growth regulator (Pyriproxyfen)
- The combination of pyrethroid and insect growth regulator active ingredients in DCT's Royal Guard® LN is intended to result in the knockdown, mortality and/or reduced fecundity of mosquitoes that survive exposure to the pyrethroid.
- Royal Guard® LN has been shown to reduce mosquito fecundity. The intended benefit of reducing fecundity in female mosquitoes is an overall reduction in the vector population.
- Long lasting insecticidal net (LLIN)
- Highly effective
- Long lasting
- Does not require retreatment
- Ready-to-use long lasting insecticide impregnated mosquito net (LLIN) made using advanced 100% polyethylene technology for superior strength, durability and personal protection
- Ready-to-use mosquito bednet incorporating safe and effective Alphacypermethrin and Pyriproxyfen
- Made from 100% polyethylene offering both value and ultra-high performance
- Optimum mesh size for maximum comfort
- Clariant ECOTAIN (see [www.clariant.com/en/Solutions/EcoTain-Products](http://www.clariant.com/en/Solutions/EcoTain-Products))
- Value added by Clariant Masterbatches CESA® - PLAEDD11451GZ
- Royal Guard® is a trademark of Disease Control Technologies LLC

Label tag sewn onto product:

### 1. Product Identification

Royal Guard®  
Long lasting insecticide treated net  
Disease Control Technologies LLC  
Made in China  
[www.diseasecontroltechnologies.com](http://www.diseasecontroltechnologies.com)

Material: 100% polyethylene  
Denier: 120  
Active ingredient: 209 mg/m<sup>2</sup> ± 56.5 mg/m<sup>2</sup> or 5.5 g/kg ± 25% Alphacypermethrin and 209 mg/m<sup>2</sup> ± 56.5 mg/m<sup>2</sup> or 5.5 g/kg ± 25% Pyriproxyfen  
Size: (W x L x H) 190 x 180 x 170 cm or (L x W x H) 180 x 190 x 170 cm  
Release Date: Month Year (i.e. December 2018)  
Batch: As defined above (i.e. 1.CL86365.1.BL.12.18.08)

Material: 100% polyethylene  
Denier: 150  
Active ingredient: 225 mg/m<sup>2</sup> ± 56.5 mg/m<sup>2</sup> or 5.0 g/kg ± 25% Alphacypermethrin and 225 mg/m<sup>2</sup> ± 56.5 mg/m<sup>2</sup> or 5.0 g/kg ± 25% Pyriproxyfen  
Size: (W x L x H) 190 x 180 x 170 cm or (L x W x H) 180 x 190 x 170 cm  
Release Date: Month Year (i.e. December 2018)  
Batch: As defined above (i.e. 1.CL86365.1.BL.12.18.08)

### 2. Ingredient Statements

Denier: 120  
Active ingredient: 209 mg/m<sup>2</sup> ± 56.5 mg/m<sup>2</sup> or 5.5 g/kg ± 25% Alphacypermethrin and 209 mg/m<sup>2</sup> ± 56.5 mg/m<sup>2</sup> or 5.5 g/kg ± 25% Pyriproxyfen

Denier: 150  
Active ingredient: 225 mg/m<sup>2</sup> ± 56.5 mg/m<sup>2</sup> or 5.0 g/kg ± 25% Alphacypermethrin and 225 mg/m<sup>2</sup> ± 56.5 mg/m<sup>2</sup> or 5.0 g/kg ± 25% Pyriproxyfen

### 3. Safety

Not applicable

#### **4. Directions for Use**

- Avoid frequent wash
- Gentle wash
- Avoid exposure to sun
- Dry in the shade
- Inclusion of standard care label symbols for:
  - Wash 30°C
  - No dry cleaning
  - No bleach
  - No ironing
  - No tumble dry

#### **5. Product Claims**

Not applicable