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Residual Barrier Technology

Residual Barrier Technology Ltd  
The Die-Pat Centre  
Broad March, Daventry  
Northamptonshire  
NN11 4HE

+44 (0) 1327 313100  
info@rbt247.com  
www.rbt.global

## **DIETARY (FOOD SAFE) RISK ASSESSMENT of PROTECTUS VIRIDIS as a NON-RINSE DISINFECTANT**

RBT has taken steps to assess the safety of Viridis Disinfectant in Food and Feed Preparation areas. Protectus Viridis is a disinfectant that has been registered in various EU countries under the BPR Transitional Measures/ Country specific National Rules for PT1 (human hygiene e.g. hand sanitiser) and PT2 (surface disinfectant) and PT4 (Food contact areas). The formulation is biodegradable, water based, halal certified that has been demonstrated to be effective against a wide range of pathogens including Coronaviruses (according to appropriate EN Standards).

We have noted the use of 'food safe' chemicals, often corrosive, in and around food and feed preparation areas, without assessing the potential for adverse human health effects these disinfectant products could have. As an established manufacturer of disinfectants, RBT puts the health and safety of users at the forefront of product development and as such, we have taken the necessary steps to conduct a full Dietary Risk Assessment of Protectus Viridis to assess the potential risk to human health from transfer of substances into food.

### **Exposure Estimation and Risk Assessment:**

This comprehensive risk assessment was done in accordance with the ECHA BPR Guidance. However, in the absence of a more specific guidance for professional use, this model of estimation is based on a worse-case scenario for the application of surface disinfectants in professional food production/processing.

Exposures are estimated for adults and toddlers. Due to higher food intake per kg body weight, toddlers are considered to represent the most sensitive consumer group (worst-case).

### **Conclusion Report no. 21 /0012/RBT:**

The overall conclusion is a conservative assessment that reflects the intended use of the product and typical exposure scenarios by spraying, misting, fogging or wipes.

When the surface disinfectant is applied as "no rinse" product, critical acute and chronic exposures of adults and toddlers to the active substance and co-formulants does not meet the criteria for substance of concern.

Therefore, no dietary risk was identified for the health of adults and toddlers from the use of Protectus Viridis as a 'Leave On' surface disinfectant.

**Yours faithfully,  
Residual Barrier Technology Limited**

Your point of contact for further details:

Dr. Gracy Sailo-Lebeau

Director of Technical Projects & Head of R&D

Other human health independent risk assessments are available

- Toxicological Risk Assessment for Human Health via Inhalation and Dermal Exposure  
**(Report no. 2006650. UK0-3692)**
- 72hr Clinical Test for Skin Sensitivity **(Cutest Accession No. AN3503.)**