

## Evaluation Report for Category B, Subcategory 2.1, 2.3, 2.4 Application

**Application Number:** 2021-5510  
**Application:** New End-Use Product Chemistry – Guarantee, Identity and Proportion of Formulants  
**Product:** ACTICIDE OTE 45  
**Registration Number:** 34705  
**Active ingredients (a.i.):** 2-n-Octyl-4-isothiazolin-3-one  
**PMRA Document Number :** 3423430

### Purpose of Application

The purpose of this application was to register a new end-use product, ACTICIDE OTE 45, as an industrial microbiocide to be used on non-food contact wood freshly treated with copper azole to control mildew.

### Chemistry Assessment

ACTICIDE OTE 45 is formulated as a solution containing 2-n-octyl-4-isothiazolin-3-one at a concentration of 46.5 %. This end-use product has a density of 1.011 g/cm<sup>3</sup> and pH of 4.4. The required chemistry data for ACTICIDE OTE 45 have been provided, reviewed, and found to be acceptable.

### Health Assessments

ACTICIDE OTE 45 was considered toxicologically equivalent to the precedent product; therefore, no toxicology data were required. ACTICIDE OTE 45 is considered to be of high acute toxicity via the oral route, low acute toxicity via the dermal route, and slight acute toxicity via the inhalation route of exposure. It is considered to be severely irritating to the skin, corrosive to the eyes, and a potential dermal sensitizer.

The use of the new end-use product ACTICIDE OTE 45 for use on copper azole treated wood is not expected to result in potential occupational or bystander exposure over the registered use of 2-n-octyl-4-isothiazolin-3-one. No health risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

A dietary exposure assessment was not required for this application.

### Environmental Assessment

The use pattern for ACTICIDE OTE 45 is within the registered use pattern of the active 2-n-octyl-4-isothiazolin-3-one, therefore, no additional risk is expected from the use of ACTICIDE OTE 45.

The label includes all the required environmental precautions and directions for use information which adequately mitigate risks to the environment. The formulation does not contain any formulants and/or contaminants/impurities of environmental concern that require environmental risk mitigation measures or management.

Risk from use of ACTICIDE OTE 45 is acceptable from the environmental perspective when used according to label directions.

### **Value Assessment**

The comparison of the formulation of the new proposed product ACTICIDE OTE 45 to the precedent product and the subsequent comparison of the use pattern demonstrated that the efficacy of the new product should be similar to the precedent product. Therefore, ACTICIDE OTE 45 has been found to have acceptable value.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found it sufficient to support the registration of ACTICIDE OTE 45.

## References

### PMRA Document Number

### References

3309778 2014, Determination of the accelerated storage stability, the corrosion characteristics and the pH value of ACTICIDE OTE 45 at 54 degrees celsius for 14 days, DACO: 3.5.10 CBI

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