

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

**Application Number:** 2020-1993  
**Application:** New EP Product Chemistry-Guarantee; Identity of Formulants;  
Proportion of Formulants  
**Product:** PQ-80 Liquid Fungicide Concentrate  
**Registration Number:** 34500  
**Active ingredient (a.i.):** copper, present as copper 8-quinolinolate  
**PMRA Document Number:** 3343118

### Purpose of Application

The purpose of this application was to register a new antisapstain wood preservative product based on a registered precedent.

### Chemistry Assessment

PQ-80 Liquid Fungicide Concentrate is formulated as a solution containing copper at a concentration of 1.84%, present as copper 8-quinolinolate. This end-use product has a density of 1.06-1.09 g/cm<sup>3</sup> and pH of 2.25. The required chemistry data for PQ-80 Liquid Fungicide Concentrate have been provided, reviewed and found to be acceptable.

### Health Assessments

PQ-80 Liquid Fungicide Concentrate is of slight acute toxicity via the oral and inhalation routes of exposure and is of low acute toxicity via the dermal route of exposure. It is corrosive to the skin and considered to be corrosive to the eyes. PQ-80 Liquid Fungicide Concentrate is not a dermal sensitizer.

The use of PQ-80 Liquid Fungicide Concentrate as an antisapstain for freshly cut lumber is not expected to result in potential occupational or bystander exposure over the registered use of copper 8-quinolinolate. 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 risk assessment was not required for this application.

### Environmental Assessment

Use of PQ-80 Liquid Fungicide Concentrate for the control of sapstain and mould on freshly cut lumber and timber does not pose any additional risk to the environment when used according to the label.

## **Value Assessment**

Efficacy studies and a formulation comparison of this end-use product and the registered precedent product indicated that PQ-80 Liquid Fungicide Concentrate can be expected to be an effective antisapstain product when used as directed. Therefore, this product 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 PQ-80 Liquid Fungicide Concentrate.

## References

### PMRA

#### Document

Number	Reference
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3124023	2012, Physical and Chemical Characteristics of PQ-56: Storage Stability and Corrosion Characteristics, DACO: 3.5.10, 3.5.14
3124024	2010, Physical and Chemical Characteristics of PQ-56: Color, Physical State, Odor, Flammability, pH, Viscosity and Relative Density, DACO: 3.5.1, 3.5.11, 3.5.2, 3.5.3, 3.5.6, 3.5.7, 3.5.9
3124025	2011, Product Chemistry Studies for PQ-56, DACO: 3.2.1, 3.2.2, 3.2.3, 3.3.1, 3.4.1, 3.4.2
3124026	2011, Product Chemistry Studies for PQ-56 - Confidential Attachment, DACO: 3.2.1, 3.2.2, 3.2.3, 3.3.1, 3.4.1, 3.4.2 CBI
3321834	2022, Deficiency Response for PQ-80 Liquid Fungicide Concentrate, Sub. No. 2020-1993, DACO: 3.2.1, 3.2.2, 3.2.3, 3.3.1, 3.4.1, 3.5.1 CBI
3321835	2022, Product Chemistry - Series 830 (Part A) Studies, DACO: 3.2.1, 3.2.2, 3.2.3, 3.3.1 CBI
3124016	2011, Dermal Sensitization Study in Guinea Pigs (Buehler Method), DACO: 4.6.6
3124017	2011, Primary Skin Irritation Study in Rabbits, DACO: 4.6.5
3124018	2010, Cancellation of Eye Irritation Study on PQ-56 (EPA Reg.# 1022-489), DACO: 4.6.4
3124019	2011, Acute Inhalation Toxicity Study in Rats -Defined LC <sub>50</sub> , DACO: 4.6.3
3124020	2010, Acute Dermal Toxicity Study in Rats - Limit Test, DACO: 4.6.2
3124021	2010, Acute Oral Toxicity Up And Down Procedure In Rats, DACO: 4.6.1
3142250	2004, Spring 2004 Sapstain Field Evaluations Procedure at Meherrin, VA., DACO: 10.2.3.3 (E)
3142251	2009, Spring 2009 Peeler Core Field Evaluations Procedures at Megawood, DACO: 10.2.3.3 (E)
3142253	2013, June-August 2013 Anti-Sapstain Field Evaluations Procedures, DACO: 10.2.3.3 (E)
3142254	2016, November-December 2016 Anti-Sapstain Field Evaluations Procedures, DACO: 10.2.3.3 (E)
3142255	2017, January-March 2017 Anti-Sapstain Field Evaluations Procedures, DACO: 10.2.3.3 (E)

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