

## Evaluation Report for Category B.2.1,B.2.3,B.2.4,B.3.1,B.3.12 Application

**Application Number:** 2012-1175  
**Application:** Change in Label Statement  
**Product:** Polyphase PW40  
**Registration Number:** 30796  
**Active ingredients (a.i.):** 3-Iodo-2-Propynyl N-Butylcarbamate [IPB]  
**PMRA Document Number :** 2252365

### Background

Polyphase PW40, containing 40% of the active ingredient Iodocarb (3-iodo-2-propynyl N-Butylcarbamate) for use as a material preservative for aqueous and solvent systems such as oleo-resinous and latex paints, cutting oils, paper coatings and adhesives. This product is similar to the currently registered manufacturing concentrate (MA) Polyphase AF-1 (Registration Number 21751). This end-use product is requesting the registration for the same uses Polyphase AF-1.

### Purpose of Application

The purpose of the application was to remove “Potential skin sensitizer” from the product label.

### Chemistry Assessment

Polyphase PW40 is formulated as a suspension containing 3-Iodo-2-Propynyl N-Butylcarbamate at a nominal concentration of 40 % and 1,2-benzisothiazolin-3-one at 0.03 % as preservative. This end-use product has a density of 1.10-1.30 g/mL and pH of 6.61. The product may contain a list 2 formulant. The chemistry requirements for Polyphase PW40 are complete.

### Health Assessments

Polyphase PW40 is of low acute toxicity via the oral and dermal routes, and of slight acute toxicity via the inhalation route in rats. Polyphase PW40 was severely irritating to the eye and moderately irritating to the skin of rabbits. Polyphase PW40 is not a dermal sensitizer.

The use pattern of Polyphase PW40 is within the currently registered use patterns for the 3-iodo-2-propynyl n-butylcarbamate active ingredient. Therefore, exposure to 3-iodo-2-propynyl n-butylcarbamate is not expected to increase over the exposure from the currently registered products.

### Environmental Assessment

The active ingredient 3-iodo-2-propynyl N-Butylcarbamate is toxic to aquatic organisms.

Environmental exposure to Polyphase PW40 through manufacturing processes can be mitigated through label statements.

Due to the proposed use pattern as a material preservative to be applied to exterior and interior dry film paints, cutting oils, paper coatings and adhesives, direct environmental exposure to Polyphase PW40 is considered to be negligible if used according to the label.

### **Value Assessment**

Two trials were carried with different paint and stain formulations to support the use Polyphase PW40 as dry-film preservative. The ranges of rates found to be effective are consistent with those of other similar products. Furthermore, label rates of the precedent product Polyphase AF-1 were used as a reference for cutting oil, paper coatings and adhesives as the difference in the formulation was not expected to impact the efficacy of the product. Therefore, based on the information provided, Polyphase PW40 is acceptable for use in controlling fungal decay of the materials.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of information available in support of Polyphase PW40 and has found the information sufficient to support the registration of Polyphase PW40.

### **References**

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