



Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2013-3033
Application: New to Product Labels - New Site or Host
Product: Polyphase P-20TEP
Registration Number: 31675
Active ingredients (a.i.): 3-Iodo-2-Propynyl N-Butylcarbamate (Iodocarb)
PMRA Document Number: 2338506

Purpose of Application

The purpose of this application is to register a new end-use product, Polyphase P-20TEP containing iodocarb at 20%, which is a 100% repack of the manufacturing concentrate, Polyphase P-20T (PCP #24141). The proposed end-use product is for use in wood stains, antisapstain, adhesives and caulks, interior and exterior paints, metal working fluids, joint cements and millwork.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

Polyphase P-20TEP is of low acute toxicity by the oral and dermal routes of exposure, and is moderately acutely toxic via the inhalation route. Is it considered to be moderately irritating to the skin and eyes, and is not expected to be a dermal sensitizer.

The proposed uses for this application fit within the registered use pattern for iodocarb. The potential exposure for mixers, loaders, applicators and postapplication re-entry workers is not expected to exceed the current exposure to registered products. No risks of concern are expected when all label statements, directions and precautions are followed.

Environmental Assessment

No additional risks of environmental concern are expected when all label statements, directions and precautions are followed.

Value Assessment

Laboratory studies were conducted to evaluate the ability of Polyphase P-20TEP to protect wood stains, adhesives and caulks, millwork, joint cements and both soluble oil and semi-synthetic

metal working fluids. The studies were conducted with a range of materials and used relevant fungal inoculum simulating real-life contamination. The data demonstrated that Polyphase P-20TEP can provide effective protection against fungal growth under representative use conditions. The paint, wood stain, millwork and antisapstain label uses were supported by precedent products (Registration Numbers 28173, 21751 and 29420).

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, Polyphase P-20TEP, and has found the information sufficient to register the new end-use product for use in wood stains, adhesives and caulks, interior and exterior paints, metal working fluids, joint cements, millwork and antisapstains.

References

PMRA document number	Reference
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2313828	1998, Mildewcidal Efficacy of Troysan Polyphase P 20 T in Paint, DACO: 10.2.3.4(A)
2313829	1998, Mildewcidal Efficacy of Troysan Polyphase P 20 T in Roofing Mastic, DACO: 10.2.3.4(A)
2313830	1998, Mildewcidal Efficacy of Troysan Polyphase P 20 T in Sealant, DACO: 10.2.3.4(A)
2313831	1998, Mildewcidal Efficacy of Troysan Polyphase P 20 T in Stucco, DACO: 10.2.3.4(A)
2313833	2004, Antifungal Activity of Polyphase P20T in Two Adhesives, DACO: 10.2.3.4(A)
2313834	2004, Antifungal Activity of Polyphase P20T in Water Borne Stains, DACO: 10.2.3.4(A)
2329257	2008, Evaluation of Polyphase P20T in two solvent based exterior wood protector samples, DACO: 10.2.3.4(A)
2329258	2006, Comparison of Troy ... Polyphase P20T...and Folpet in a clear wood preservative sample, DACO: 10.2.3.4(A)
2329259	2005, Evaluation of Polyphase ...P20T in seven linseed oil based stains and evaluation of eight preserved samples, DACO: 10.2.3.4(A)
2329262	2003, Evaluation of Polyphase P20T in a Waterborne Deck Stain, DACO: 10.2.3.4(A)
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2387323	2014, Metalworking Fluid Test in Soluble Oil Fluid, DACO: 10.2.3.2
2387324	2014, Metalworking Fluid Test in Soluble Oil Fluid, DACO: 10.2.3.2
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2387327	2014, Metalworking Fluid Test in Semi-synthetic fluid, DACO: 10.2.3.2
2387328	2004, Microorganisms and their effects on Metalworking Fluids, DACO: 10.2.3.2
2387333	2006, Microbial Bridging Study of IPBC Containing Products , DACO: 10.2.3.3
1155536	1993, Troysan Polyphase P-20T: Acute Inhalation-Defined LC50 (Rats)(T-1873;TC-0079;TCCREG93P20TA2), DACO: 4.6.3
1155537	1993, Troysan Polyphase P-20T: Primary Dermal Irritation (Rabbits)(T-1870;TC-0080;TCCREG93P20TA3), DACO: 4.6.5
1155622	1993, Troysan Polyphase P-20T: Acute Oral Toxicity-Defined LD50 (Rats)(T-1868;TC-0077;TCCREG93P20TA1), DACO: 4.6.1
1155624	1993, Troysan Polyphase P-20T: Acute Dermal Toxicity LD50 (Rabbit)(T-1872;TC-0078;TCCREG93P20TA5), DACO: 4.6.2
2400473	2014, Polyphase P20T – Dermal Sensitization Test in Guinea Pigs- Buehler Method, DACO: 4.6.6

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