

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

Application Number: 2007-2174
Application: B.2.1 – New /Changes to Product Chemistry- Guarantee
B.2.3 – New/Changes to Product Chemistry- Identity of Formulants
B.2.4 – New/Changes to Product Chemistry – Proportion of Formulants
B.3.1 – New/Changes to Product Labels – Application Rate Increase
B.3.12 – New/Changes to Product Labels – New Site or Host
Product: Omacide IPBC 40 Industrial Fungicide
Registration Number: 29421
Active ingredients (a.i.): Iodocarb
PMRA Document Number : 1810948

Purpose of Application

Arch Chemicals Inc. has submitted an application to register a new Iodocarb end-use product for use as a preservative in paint (interior and exterior) as well as an antisapstain and millwork preservative.

Chemistry Assessment

Omacide IPBC 40 Industrial Fungicide is a solution containing the active ingredient 3-iodo-2-propynylbutylcarbamate at a nominal concentration of 40%. This product has a density of 1.16 – 1.17 g/cm³. With the exception of the corrosion characteristics study that is currently in progress, the chemistry requirements for Omacide IPBC 40 Industrial Fungicide have been completed.

Health Assessments

Omacide IPBC 40 Industrial Fungicide is of low acute toxicity to rats via the oral route (LD₅₀ = 2120 mg/kg), is of slight acute toxicity to rabbits via the dermal route (LD₅₀ > 1700 mg/kg), is of slight acute toxicity to rats via the inhalation route (LC₅₀ = 1.8 mg/L), is moderately irritating to the eyes of rabbits and is corrosive to the skin of rabbits. It is considered to be a skin sensitizer in guinea pigs.

The use of Omacide IPBC 40 Industrial Fungicide fits within the existing use pattern for 3-Iodo-2-propynylbutylcarbamate. Exposure to workers handling Omacide IPBC 40 Industrial Fungicide is not expected to increase over that of the currently registered use pattern provided all label precautions are adhered to.

Environmental Assessment

An environmental risk assessment was not required for the supported uses: preservative in paint (interior and exterior as well as an antisapstain and millwork preservative). These uses have limited environmental exposure and are not expected to post more environmental risks than the existing registered uses of other end-use products containing iodocarb. An environmental re-evaluation of IPBC is scheduled for completion by 2009. All label statements and mitigating measures for EPs containing IPBC will be revisited and updated based on the outcome of IPBC re-evaluation.

Value Assessment

Efficacy data was submitted to register Omacide IPBC 40 Industrial Fungicide as a new material preservative. Omacide IPBC 40 will be used as a preservative in paint (interior and exterior) as well as an antisapstain and millwork preservative. After reviewing the data provided, these uses were determined to be acceptable.

Conclusion

The agency has completed an assessment of the subject application and has found the information sufficient to register Omacide IPBC 40 Industrial Fungicide containing the active ingredient, iodocarb, for use as a preservative in paint as well as an antisapstain and millwork preservative.

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PMRA Document Number: 1393948
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Small-scale trial response summary and attached publications/studies
PMRA Document Number: 1627653
Operational trial response summary and attached publications/studies

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