

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

Application Number: 2007-2162
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 30 Industrial Fungicide
Registration Number: 29419
Active ingredients (a.i.): Iodocarb
PMRA Document Number : 1810957

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 30 Industrial Fungicide is a solution containing the active ingredient 3-iodo-2-propynylbutylcarbamate (iodocarb) at a nominal concentration of 30%. This product has a density of 1.1050 g/mL. The chemistry requirements for Omacide IPBC 30 Industrial Fungicide have been completed.

Health Assessments

Omacide IPBC 30 Industrial Fungicide is of slight acute toxicity to rats via the oral route ($LD_{50} = 1880$ mg/kg) and inhalation route ($LC_{50} = 1.5$ mg/L), is of low toxicity to rabbits via the dermal route ($LD_{50} > 2000$ mg/kg), 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 30 Industrial Fungicide fits within the existing use pattern for 3-Iodo-2-propynylbutylcarbamate. Exposure to workers handling Omacide IPBC 30 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. The use as wood preservatives is not supported in this submission; however, the applicant submitted a report for DACO 8.3.4 and DACO 8.2.5.2. This report did not adequately address previously identified data deficiency in leaching/wash-off from wood and aerobic biotransformation in water. Therefore, additional data may be required for future registration of iodocarb as a wood preservative. An environmental re-evaluation of IPBC is scheduled for completion by 2009. All label statements and mitigating measures for end-use products containing iodocarb will be revisited and updated based on the outcome of iodocarb re-evaluation

Value Assessment

Efficacy data was submitted to register Omacide IPBC 30 Industrial Fungicide as a new material preservative. Omacide IPBC 30 Industrial Fungicide will be used as 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 PMRA has completed an assessment of the subject application and has found the information sufficient to register Omacide IPBC 30 Industrial Fungicide, containing the active ingredient iodocarb, for use as a preservative in paint as well as an antisapstain and millwork preservative.

References

PMRA Document Number: 1248312

1994, Product Chemistry for: 3-Iodo-2-Propynylbutylcarbamate (Omacide IPBC 100), DACO: 3.5.12 CBI

PMRA Document Number: 1248313

1994, CONFIDENTIAL ATTACHMENT to: Product Chemistry for: 3-Iodo-2-Propynylbutylcarbamate (Omacide IPBC 100), N/S, DACO: 3.5.12 CBI

PMRA Document Number: 1248314

1994, Physical and Chemical Properties of 3-Iodo-2-Propynylbutylcarbamate (Omacide IPBC), 93B021PBC, DACO: 3.5.12 CBI

PMRA Document Number: 1248315

1997, Physical and Chemical Properties of 3-Iodo-2-Propynylbutylcarbamate (Omacide IPBC), 18-94B071PBC, DACO: 3.5.12 CBI

PMRA Document Number: 1393638

2007, CHEMISTRY REQUIREMENTS SUMMARY (DACO 3.1 - 3.5.15), DACO: 3.0

PMRA Document Number: 1393639
2007, Omacide IPBC 30 Industrial Fungicide CHEMISTRY REQUIREMENTS DACO 3.1 - 3.1.4; Product Chemistry for: 3-Iodo-2-Propynylbutylcarbamate (Omacide IPBC 30), DACO: 3.1,3.1.1,3.1.2, 3.1.3,3.1.4

PMRA Document Number: 1393640
1995, Product Chemistry for Omacide IPBC 20 Industrial Fungicide, Omacide IPBC 30 Industrial Fungicide and Omacide IPBC 40 Industrial Fungicide, n/a, MRID: 43688301, DACO: 3.2,3.2.1,3.2.2, 3.2.3,3.3.1,3.3.2

PMRA Document Number: 1393641
1995, Product Chemistry on Products Formulated with 3-Iodo-2-propynyl butylcarbamate (IPBC): IPBC 20, IPBC 30 and IPBC 40, n/a, MRID: 43688302, DACO: 3.5.1,3.5.11,3.5.13,3.5.14,3.5.15,3.5.2,3.5.3, 3.5.4,3.5.6,3.5.7,3.5.8,3.5.9

PMRA Document Number: 1393642
1996, Long Term Storage Stability on Products formulated with 3-Iodo-2-propynylbutylcarbamate (IPBC): IPBC-20, IPBC-.30, and IPBC-40, 18-94B07IPBC, MRID: 45111601, DACO: 3.5.10

PMRA Document Number: 1393643
2001, Enforcement Analytical Method for Omacide IPBC Products Active Ingredient : 3- Iodo-2-propynylbutylcarbamate, 93B02IPBC, MRID: N/A, DACO: 3.4.1

PMRA Document Number: 1393645
1995, Single Dose Oral Toxicity in Rats/LD50 In Rat: Omacide IPBC 30% Sol, DACO: 4.6.1

PMRA Document Number: 1393646
1995, Acute Dermal Toxicity in Rabbits: Omacide IPBC 30 Sol, DACO: 4.6.2

PMRA Document Number: 1393648
1995, Acute Inhalation Toxicity Evaluation on Omacide IPBC 30% in Rats, DACO: 4.6.3

PMRA Document Number: 1393649
1995, Primary Eye Irritation and/or Corrosion in Albino Rabbits, Omacide IPBC 30%, DACO: 4.6.4

PMRA Document Number: 1393650
1995, Primary Dermal Irritation in Albino Rabbits: Omacide IPBC 30 Sol, DACO: 4.6.5

PMRA Document Number: 1393651
1999, Delayed Contact Dermal Sensitization (Buehler Method), DACO: 4.6.6

PMRA Document Number: 1393652
2007, Omacide IPBC 30 Industrial Fungicide DACO 5.2;, DACO: 5.2

PMRA Document Number: 1627658
IPBC 30 Part 8 Environmental DACO Deficiencies 07-31-08

PMRA Document Number: 1627651
Evaluation of Dry Film Antifungal Performance of Iodopropynylbutylcarbamate (IPBC) in an Interior and an Exterior Coating Formulation

PMRA Document Number: 1627652
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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