

Evaluation Report for Category B, Subcategory 2.4, 3.1, 3.13, 7.0 Application

Application Number: 2008-0894
Application: B.2.4 (Product chemistry - proportion of formulants)
B.3.1 (Product labels - application rate increase)
B.3.13 (Product labels - precautions)
B.7.0 (Reinstatement of a registered product)
Product: Vancide MZ-96 Dispersion Industrial Preservative Suspension
Registration Number: 24714
Active ingredients (a.i.): Ziram (ZIR)
PMRA Document Number : 1777370

Purpose of Application

R.T. Vanderbilt Company Inc. has submitted an application for the reinstatement of Vancide MZ-96 Dispersion Industrial Preservative Suspension containing ziram (guarantee: 50.0%). An increase in application rate to the lower limit of the application rate range was also proposed.

Chemistry Assessment

Vancide MZ-96 Dispersion Industrial Preservative Suspension contains ziram at a minimum concentration of 50%. This end-use product has a density of 1.28 g/cm³ and pH between 8.5 and 11.5. The chemistry requirements for Vancide MZ-96 Dispersion Industrial Preservative Suspension are complete.

Health Assessments

Vancide MZ-96 Dispersion Industrial Preservative Suspension is slightly acutely toxic via the oral route of exposure (LD₅₀ = 1546 mg/kg bw), of low acute toxicity via the dermal route (LD₅₀ > 2000 mg/kg bw), and is highly acutely toxic via the inhalation route (LC₅₀ = 0.023 mg/L). It is considered to be corrosive to the eyes, but only slightly irritating to the skin. Vancide MZ Dispersion Industrial Preservative Suspension is not considered to be a dermal sensitizer.

An occupational assessment has been conducted for Vancide MZ-96 Dispersion Industrial Preservative Suspension. It is not expected that exposure to handlers will increase over the currently registered products containing ziram.

Environmental Assessment

The reinstatement of Vancide MZ-96 Dispersion Industrial Preservative Suspension is not expected to pose an unacceptable risk to the environment provided that the amended label directions are followed.

Value Assessment

Efficacy data were submitted to register Vancide MZ-96 Dispersion Industrial Preservative Suspension as a material preservative. During the review process, the registrant agreed to register only adhesive uses for the moment. The data demonstrated that the product was effective in the preservation of adhesive against fungi and bacteria. The use of ziram in adhesives was determined to be acceptable

Conclusion

The PMRA has reviewed all available information and has determined that Vancide MZ-96 Industrial Preservative Suspension can be reinstated.

References

- 1519480 1995, Determination of [CBI REMOVED] in Methyl Zimate Slurry, CHW6587-103, DACO: 3.7 CBI
- 1597624 1993, Formulation Process, DACO: 3.2 CBI
- 1597626 Enforcement Analytical Methods, DACO: 3.4.1
- 1597627 1993, Chemical and Physical Characteristics of Vancide MZ-96 Dispersion, DACO: 3.5
- 1597614 1976, Efficacy laboratory trials (proof of effectiveness), DACO: 10.2.3.2
- 1597615 1993, Efficacy as a paint film fungicide - Outdoor exposure data, DACO: 10.2.3.2
- 1597616 1989, Efficacy of active ingredient as a paint-film fungicide - Outdoor exposure data, DACO: 10.2.3.2
- 1597619 1993, Efficacy as a fungicide in adhesive films, DACO: 10.2.3.2
- 1597621 1991, Efficacy against microorganisms in starch-dextrin solutions, DACO: 10.2.3.2

ISSN: 1911-8082

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