

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

Application Number: 2018-4976
Application: New End-Use Product (Product Chemistry) – Identity of Formulants, Proportion of Formulants
New Product Labels – New Site or Host
Product: Acticide IPW 40
Registration Number: 33784
Active ingredient (a.i.): 3-iodo-2-propynyl butyl carbamate
PMRA Document Number : **3101807**

Purpose of Application

The purpose of this application was to register Acticide IPW 40, for use as a material preservative.

Chemistry Assessment

Acticide IPW 40 is formulated as a suspension containing 3-iodo-2-propynyl butylcarbamate at a concentration of 40%. This end-use product has a density of 1.1950-1.1957 g/cm³ and pH of 6.1-6.3. The required chemistry data for Acticide IPW 40 have been provided, reviewed and found to be acceptable.

Health Assessments

Acticide IPW 40 is of low acute toxicity via the oral, dermal and inhalation routes based on studies in rats, and mildly irritating to the eye and moderately irritating to the skin based on studies in rabbits. Acticide IPW 40 is a potential dermal sensitizer based on results of the Local Lymph Node Assay (LLNA) in mice.

The exposures to primary (mixers/loaders/applicators) and secondary (professional and residential) handlers from manufacturing and applying paints, coatings, wood stains, adhesives, pigment dispersions, inks, building materials, household consumer, institutional, janitorial products, aqueous metalworking, cutting, cooling and lubricating fluids preserved with Acticide IPW 40 label were assessed. No risks of concern are expected from the uses, provided that workers follow the label directions and wear the personal protective equipment identified on the label.

A dietary risk assessment was not required for this application.

Environmental Assessment

It is not expected that the use of the Acticide IPW 40 as a material preservative would result in

any additional environmental risk relative to the registered precedent product. Environmental concerns have been mitigated through adequate statements on the product label.

Value Assessment

Laboratory studies were provided demonstrating the ability of Acticide IPW 40 to protect a number of different material samples each within the proposed material categories such as adhesives, inks, building materials (e.g., joint compounds, sealant, etc.), pigment slurries, and industrial/janitorial products. The studies were conducted with various materials and used fungal inoculum simulating real-life contamination possibilities. The data demonstrated that Acticide IPW 40 is effective against fungal growth under representative use conditions (e.g., wet-state and dry-film).

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found it sufficient to support the registration of Acticide IPW 40.

References

PMRA Document Number	References
2921238	2018, Applicant Name & Address, DACO: 3.1.1
2921239	2018, Acticide IPW 40 Formulating Plants, DACO: 3.1.2 CBI
2921240	2018, Acticide IPW 40 Product Trade name, DACO: 3.1.3
2921241	2018, Acticide IPW 40 Starting Materials, DACO: 3.2.1 CBI
2921242	2018, Acticide IPW 40 Formulating Process, DACO: 3.2.2 CBI
2921243	2018, Acticide IPW 40 Discussion of Impurities, DACO: 3.2.3 CBI
2921244	2018, Acticide IPW 40 Certified Limits, DACO: 3.3.1 CBI
2921245	2018, Acticide IPW 40 Enforcement Analytical Method, DACO: 3.4.1 CBI
2921246	2018, Acticide IPW 40 Colour, DACO: 3.5.1 CBI
2921247	2018, Acticide IPW 40 Physical State, DACO: 3.5.2 CBI
2921248	2018, Acticide IPW 40 Odour, DACO: 3.5.3 CBI
2921249	2018, Acticide IPW 40 Container Material & Description, DACO: 3.5.5
2921250	2013, Acticide IPW 40 Density, DACO: 3.5.6 CBI
2921251	2013, Acticide IPW 40 pH Value, DACO: 3.5.7 CBI
2921252	2018, Acticide IPW 40 Oxidizing or Reducing Action - Data Waiver Request, DACO: 3.5.8 CBI
2921253	2013, Acticide IPW 40 Viscosity Determination, DACO: 3.5.9 CBI
2921254	2018, Acticide IPW 40 Flammability, DACO: 3.5.11 CBI
2921255	2018, Acticide IPW 40 Miscibility, DACO: 3.5.13 CBI
2921256	2018, Acticide IPW 40 Dielectric Breakdown Voltage, DACO: 3.5.15 CBI
2984491	2019, Description of Starting Materials, DACO: 3.2.1 CBI
2984492	2015, Acticide IPW 40 Storage Stability / Corrosion Characteristics, DACO: 3.5.10 CBI
2949982	2018, Acticide IPW 40: Acute Oral Toxicity Up-And-Down Procedure in Rats,

	DACO: 4.6.1
2949986	2018, Acticide IPW 40: Acute Dermal Toxicity in Rats, DACO: 4.6.2
2949990	2018, Acticide IPW 40: Acute Inhalation Toxicity in Rats, DACO: 4.6.3
2949994	2018, Acticide IPW 40: Primary Eye Irritation in Rabbits, DACO: 4.6.4
2949998	2018, Acticide IPW 40: Primary Skin Irritation in Rabbits, DACO: 4.6.5
2950000	2018, Acticide IPW 40: Local Lymph Node Assay (LLNA) in Mice, DACO: 4.6.6
2921230	2018, Value Summary, DACO: 10.1
2921231	2018, Mode of Action, DACO: 10.2.1
2921232	2018, Acticide IPW 40 Efficacy Laboratory Trials, DACO: 10.2.3.2
2921233	2018, Non-Safety Adverse Effects, DACO: 10.3.2
2921234	2018, Acticide IPW 40 Social and Economic Impact, DACO: 10.4
2921235	2018, Acticide IPW 40 Survey of Alternatives, DACO: 10.5.1
2921236	2018, Acticide IPW 40 Compatibility with Current Management Practices, DACO: 10.5.2
2921237	2018, Acticide IPW 40 Resistance Management - Data Waiver Request, DACO: 10.5.3

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