

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2021-2775
Application: Changes to TGAI Product Chemistry-New Source (site) same registrant
Product: Preventol MP 100
Registration Number: 33773
Active ingredient (a.i.): 3-iodo-2-propynyl butyl carbamate
PMRA Document Number: 3400000

Purpose of Application

The purpose of this application was to register three new sources of 3-iodo-2-propynyl butyl carbamate for the registered technical product Preventol MP 100.

Chemistry Assessment

Common Name: No ISO common name
IUPAC* Chemical Name: 3-iodoprop-2-ynyl butylcarbamate
CAS† Chemical Name: 3-iodo-2-propyn-1-yl N-butylcarbamate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Preventol MP 100 has the following properties:

Property	Result												
Colour and physical state	White crystalline powder												
Nominal concentration	99.0 %												
Odour	Faint odour												
Density	1.714 g/mL												
Vapour pressure	1.04 mPa at 20°C 2.36 mPa at 25°C												
pH	4.95												
Solubility in water	<table border="1"> <thead> <tr> <th>Temperature (°C)</th> <th>pH</th> <th>Solubility (mg/L)</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>4</td> <td>182</td> </tr> <tr> <td>20</td> <td>7</td> <td>168</td> </tr> <tr> <td>20</td> <td>9</td> <td>176</td> </tr> </tbody> </table>	Temperature (°C)	pH	Solubility (mg/L)	20	4	182	20	7	168	20	9	176
	Temperature (°C)	pH	Solubility (mg/L)										
	20	4	182										
	20	7	168										
20	9	176											
n-Octanol/water partition coefficient	log K _{ow} = 2.81 at 25°C												

The required chemistry data for Preventol MP 100 have been provided, reviewed, and found to be acceptable.

Health, Environmental and Value Assessments

Health, environmental and value assessments were not required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support the registration of three new sources of 3-iodo-2-propynyl butyl carbamate for Preventol MP 100.

References

PMRA

Document

Number	Reference
3240440	2021, 5-Batch Analysis of IPBC to Meet the Requirements of US OCSPP Guidelines 830.1700 and 830.1800, DACO: 2.12.1,2.13.1,2.13.2,2.13.3 CBI
3240441	2021, 5-Batch Analysis of IPBC to Meet the Requirements of US OCSPP Guidelines 830.1700 and 830.1800, DACO: 2.12.1,2.13.1,2.13.2,2.13.3,2.13.4 CBI
3240442	2020, 5-Batch Analysis of IPBC to Meet the Requirements of European Biocidal Products Regulation (BPR) 528/2012 and US OCSPP Guidelines 830.1700 and 830.1800, DACO: 2.12.1,2.13.1,2.13.2,2.13.3 CBI
3240443	2020, 5-Batch Analysis of IPBC to Meet the Requirements of European Biocidal Products Regulation (BPR) 528/2012 and US OCSPP Guidelines 830.1700 and 830.1800, DACO: 2.12.1,2.13.1,2.13.2,2.13.3,2.13.4 CBI
3240444	2021, 5-Batch Analysis of IPBC to Meet the Requirements of European Biocidal Products Regulation (BPR) 528/2012 and US OCSPP Guidelines 830.1700 and 830.1800, DACO: 2.12.1,2.13.1,2.13.2,2.13.3 CBI
3240445	2021, 5-Batch Analysis of IPBC to Meet the Requirements of European Biocidal Products Regulation (BPR) 528/2012 and US OCSPP Guidelines 830.1700 and 830.1800, DACO: 2.12.1,2.13.1,2.13.2,2.13.3,2.13.4 CBI
3240446	2021, Preventol MP 100 (IPBC Technical) - Additional Batch Details Source 2, DACO: 2.13.3,2.2 CBI
3240447	2021, Preventol MP 100 (IPBC Technical) - Additional Batch Details Source 1, DACO: 2.13.3,2.2 CBI
3240448	2021, Preventol MP 100 (IPBC Technical) - Additional Batch Details Source 3, DACO: 2.13.3,2.2 CBI
3300440	2021, Preventol MP 100 Product Chemistry Supplement to Support PMRA Registration No. 33773 New Source # 1, DACO: 2.1, 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.2, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
3300441	2021, Preventol MP 100 Product Chemistry Supplement to Support PMRA Registration No. 33773 New Source # 3, DACO: 2.1, 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.2, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
3303600	2021, Preventol MP 100 Product Chemistry Supplement to Support PMRA Registration No. 33773 New Source # 2: [CBI Removed], DACO: 2.1, 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.2, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
3399249	2022, Sub. No. 2021-2775, Preventol MP 100, Reg. No. 33773- Response to the October 13, 2022 Request for Chemistry Clarification, DACO: 2.11.2 CBI
3399250	2022, Preventol MP 100 Product Chemistry Supplement to Support PMRA Registration No. 33773 New Source # 2: [CBI Removed], DACO: 2.1, 2.11, 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12, 2.12.1, 2.2, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI

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