

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2020-5078
Application: New TGAI (Product Chemistry) - New Source (site) same registrant
Product: AQUCAR DB 100 MUP Water Treatment Microbiocide
Registration Number: 13769
Active ingredient (a.i.): 2,2-dibromo-3-nitrilopropionamide
PMRA Document Number: 3296581

Purpose of Application

The purpose of this application was to add a new manufacturing site as a new source of the technical product AQUCAR DB 100 MUP Water Treatment Microbiocide.

Chemistry Assessment

Common Name: 2,2-dibromo-3-nitrilopropionamide
 IUPAC* Chemical Name: 2,2-dibromo-3-nitrilopropionamide
 CAS† Chemical Name: 2,2-dibromo-2-cyanoacetamide

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

AQUCAR DB 100 MUP Water Treatment Microbiocide has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	97.6%
Odour	Medicinal scent
Density	1.2 - 1.4 g/cm ³
Vapour pressure	1.2 x 10 ⁻⁷ mPa (at 25°C)
pH	6-8
Solubility in water	1.5 g/100 mL (20°C)

Property	Result	
n-Octanol/water partition coefficient	<u>pH</u>	<u>K_{ow}</u>
	5.0	6.24
	7.0	6.31
	9.0	6.61

The required chemistry data for AQUACAR DB 100 MUP Water Treatment Microbiocide 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 the information sufficient to support the addition of a new manufacturing site for AQUACAR DB 100 MUP Water Treatment Microbiocide.

References

PMRA Document Number	Reference
3169278	2020, Manufacturing Information , DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1 CBI
3169280	2016, Production Process Flow , DACO: 2.11.3 CBI
3169281	2017, Five-Lot Analysis of [CBI Removed] for the Active Ingredient and Impurity, DACO: 2.13.3 CBI
3169282	2018, DBNPA 100 PTECH: Product Chemistry Series 830 Group A Product Identity, Composition, and Analysis, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1 CBI
3292595	2021, [Privacy Info Removed] water data, DACO 2.13.3 CBI

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