

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2016-2363
Application: Changes TGAI Product Chemistry – New Source (site) same registrant
Product: Myacide AS Technical Microbiocide
Registration Number: 18880
Active ingredients (a.i.): Bronopol
PMRA Document Number: 2705082

Purpose of Application

The purpose of this application was to register a new source of Myacide AS Technical Microbiocide by the same registrant.

Chemistry Assessment

Common Name: Bronopol
IUPAC* Chemical Name: 2-bromo-2-nitropropane-1,3-diol
CAS† Chemical Name: 2-bromo-2-nitro-1,3-propanediol

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Myacide AS Technical Microbiocide has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	99%
Odour	Faint, halide-like, characteristic
Density	1.1 g/cm ³
Vapour pressure	1.68 × 10 ⁻³ Pa
pH	4.5-7 (1% solution)
Solubility in water	250 g/L
n-Octanol/water partition coefficient	Log K _{ow} = 0.18

The required chemistry data for Myacide AS Technical 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 PMRA has reviewed the information provided in support of this application and has determined that the registration of the new source is acceptable.

References

PMRA No.	Title
2637553	2016, DACO 2.1 to 2.9, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
2637554	2016, Myacide AS (EPA Reg. No. 33753-3) Group A Product Chemistry, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
2637555	2015, Determination of main component and impurities in five batches in “Bronopol ex [Privacy Information Removed]”, DACO: 2.11.2,2.11.3,2.11.4,2.13.1,2.13.3 CBI
2637556	2013, Assay for bronopol and bronopol impurities by HPLC, DACO: 2.12.1,2.13,2.13.1,2.13.3 CBI
2637557	2014, Determination of related substances of Bronopol by HPLC, DACO: 2.13.1 CBI

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