

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2018-1293
Application: Changes to Technical Grade Active Ingredient Product
Chemistry – New Source (site) same registrant
Product: Grotan BK Biocide
Registration Number: 27854
Active ingredient (a.i.): Hexahydro-1,3,5,-tris(2-hydroxyethyl) -s-triazine
PMRA Document Number: 3026799

Purpose of Application

The purpose of this application was to register a new manufacturing site for the technical grade active ingredient Grotan BK Biocide.

Chemistry Assessment

Accepted Name: Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine
IUPAC* Chemical Name: 2,2',2''-(1,3,5-Triazinane-1,3,5-triyl) triethanol
CAS† Chemical Name: 1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Grotan BK Biocide has the following properties:

Property	Result
Colour and physical state	clear amber liquid
Nominal concentration	77.3%
Odour	not determined
Density	1.154 g/mL
Vapour pressure	2.5 kPa (at 20°C)
pH	10.3 – 11.3
Solubility in water	miscible with water
n-Octanol/water partition coefficient	log Kow = -1.36

The required chemistry data for Grotan BK Biocide 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 submitted data and has found it sufficient to register a new manufacturing site for Grotan BK Biocide.

References

PMRA Document Number	References
3023706	2019, DACO 2.11 Manufacturing Methods - Grotan BK, DACO: 2.11,2.11.1,2.11.2,2.11.3 CBI
2866391	2018, Mergal 174II (US), DACO: 2.13.3
2866390	2017, Physical and Chemical Characteristics: Stability to Normal and Elevated Temps, Metals and Metal Ions, Misc, pH UV, Boiling Point, etc., DACO: 2.0

ISSN: 1911-8082

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