

Evaluation Report for Category B, Subcategory 1.3 Application

Application Number: 2022-1273
Application: Changes TGAI Product Chemistry-Specifications
Product: Cyromazine Technical
Registration Number: 24463
Active ingredient (a.i.): Cyromazine
PMRA Document Number: 3465664

Purpose of Application

The purpose of this application was to update the manufacturing process for the registered product Cyromazine Technical.

Chemistry Assessment

Common Name: cyromazine
IUPAC* Chemical Name: *N*-cyclopropyl-1,3,5-triazine-2,4,6-triamine
CAS† Chemical Name: *N*²-cyclopropyl-1,3,5-triazine-2,4,6-triamine

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Cyromazine Technical has the following properties:

Property	Result
Colour and physical state	Colourless solid
Nominal concentration	97%
Odour	Non-specific odour
Density	1.35 g/cm ³
Vapour pressure	< 1.3 x 10 ⁻⁴ Pa
pH	7-9 (1% in water)
Solubility in water	1.1% at pH 7.5 (20°C)
n-Octanol/water partition coefficient	LogK _{ow} = 0.8

The required chemistry data for Cyromazine Technical 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 acceptable to update the manufacturing process for Cyromazine Technical.

Additional Information Being Requested

Since this technical product is manufactured only at pilot scale before registration, five-batch data representing commercial-scale production are required as post-market information after registration.

References

PMRA

Document

Number	Reference
3334751	2020, Cyromazine Technical (CGA72662) - Manufacturing Process Description and Supporting Data (Addendum to EPA MRID Number 47816701, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4,2.12,2.12.1,2.13,2.13.1,2.13.2,2.13.3,2.13.4,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9 CBI

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