

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2019-5912
Application: New TGAI Product Chemistry, New Source Same Registrant
Product: Technical Chlorothalonil Fungicide
Registration Number: 25574
Active ingredient (a.i.): Chlorothalonil
PMRA Document Number: 3100886

Purpose of Application

The purpose of this application was to add a new manufacturing site for the technical product, Technical Chlorothalonil Fungicide.

Chemistry Assessment

Common Name: Chlorothalonil
IUPAC* Chemical Name: tetrachloroisophthalonitrile
CAS† Chemical Name: 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Technical Chlorothalonil Fungicide has the following properties:

Property	Result
Colour and physical state	Colourless solid
Nominal concentration	98.5%
Odour	Odourless
Density	0.7 g/cm ³
Vapour pressure	7.6 x 10 ⁻⁵ Pa (at 25°C)
pH	6 - 9 (1% solution in water)
Solubility in water	0.81 mg/L (20°C)
n-Octanol/water partition coefficient	log Kow = 2.92

The required chemistry data for Technical Chlorothalonil Fungicide 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 addition of the new manufacturing site for Technical Chlorothalonil Fungicide.

Additional Information Being Requested

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

References

PMRA Document Number	Reference
3045292	2019, Chlorothalonil Technical (R44686) Manufacturing Process Description and Supporting Data, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.12.2, 2.13.3, 2.13.4, 2.2 CBI

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