

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2008-5376
Application: New source of technical grade active ingredient for the same registrant.
Product: Acephate Technical
Registration Number: 27917
Active ingredients (a.i.): Acephate
PMRA Document Number: 1764172

Purpose of Application

The proposed application is to register a new source of the technical grade active ingredient Acephate Technical (Registration Number 27197) by the same registrant. This new source of technical grade active ingredient is intended to replace the currently registered source.

Chemistry Assessment

Common Name: Acephate
Chemical Name: O,S-dimethyl acetylphosphoramidothioate

Acephate Technical Insecticide has the following properties:

Property	Result
Colour and physical state	White crystalline solid
Nominal concentration	98.00% nominal (limits: 95.50% - 99.50%)
Odour	Sharp odour similar to rotting vegetation
Density	0.3445-0.3559 g/mL at 25°C
Vapour pressure	0.226 mPa
pH	4.64 (1% solution)
Solubility in water	790 g/L
n-Octanol/water partition coefficient	log Kow = -0.89

The chemistry requirements for Acephate Technical Insecticide have been completed.

Health Assessments

A human health assessment was not required.

Environmental Assessment

An environmental assessment was not required.

Value Assessment

A value assessment was not required.

Conclusion

The PMRA has completed an assessment of available information for Acephate Technical and has found the information sufficient to support the registration of the new source.

References

PMRA Document Number	Reference
1674851	2008, Product Chemistry Data Acephate Technical (PCP# 27917), DACO: 2.1, 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.12.2, 2.13.1, 2.13.2, 2.13.3, 2.13.4, 2.14, 2.2, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
1674852	2000, Acephate Technical: Product identity and composition, description of materials used to produce the product, description of production process and discussion of impurities., DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4 CBI
1674853	2000, Group A - Product Chemistry - Analysis of Acephate. Final Report, DACO: 2.12.1, 2.13.1, 2.13.2, 2.13.3, 2.13.4 CBI
1674854	2000, Group B - Physical and chemical properties testing of acephate. Final Report., DACO: 2.14.1, 2.14.10, 2.14.11, 2.14.12, 2.14.13, 2.14.2, 2.14.3, 2.14.4, 2.14.6 CBI

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