



Evaluation Report for Category B, Subcategory 1.3 Application

Application Number: 2008-3144
Application: B. 1.3: Changes to ISP Product Chemistry-Specifications
Product: Thor Acticide LG Technical
Registration Number: 26252
Active ingredients (a.i.): 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one
PMRA Document Number: 1824749

Purpose of Application

The purpose of this application was to change the guarantees of the two active components, 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one, contained in Thor Acticide LG Technical (Reg. No. 26252).

Chemistry Assessment

Common names: CIT and MIT

Chemical names: 5-Chloro-2-methyl-4-isothiazolin-3-one (CIT)

2-Methyl-4-isothiazolin-3-one (MIT)

Thor Acticide LG Technical has the following properties:

Property	Results
Colour and physical state	Light yellow liquid
Nominal concentration	1.11 % CIT, 0.37 % MIT
Odour	Mild odour
Density	1.015 g/mL
Vapour pressure	2.77 kPa
pH	3.5
Solubility in water	Aqueous solution
n-Octanol/water partition coefficient	-0.71 to +0.75

The chemistry requirements for Thor Acticide LG Technical have been met.

Health Assessments

The change in guarantee of the two active ingredients is minor and does not impact the toxicological profile of the product.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

A value assessment was not required for this application.

Conclusion

Following the review of data provided, the PMRA can support the guarantee changes of the two active components, 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one, contained in Thor Acticide LG Technical (Reg. No. 26252).

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