

Evaluation Report for Category B, Subcategory 1.1, 1.3 (new source by the same registrant, conversion of the guarantee) Application

Application Number: 2006-3274
Application: Evaluation Report for Category B, Subcategory 1.1, 1.3 (new source by the same registrant, conversion of the guarantee)
Product: Paclobutrazol Technical
Registration Number: 24198
Active ingredients (a.i.): paclobutrazol at 96.9%
PMRA Document Number: 1311417

Background

The original source of paclobutrazol technical grade active ingredient, “Paclobutrazol Technical” (Reg. No. 24198) was first registered in 1995.

Purpose of Application

The purpose of this application is to register a new technical source of paclobutrazol plant growth regulator by the same registrant and to amend the guarantee of the registered source from 90.0% minimum to 96.9% nominal.

Chemistry Assessment

Common Name: Paclobutrazol
Chemical Name: (2RS,3RS)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pentan-3-ol

Paclobutrazol Technical has the following properties:

Property	Result
Colour and physical state	beige granular solid
Nominal concentration	96.9%
Odour	odourless
Density	1.23 g/cm ³
Vapour pressure	0.001 mPa
pH	not specified
Solubility in water	2.29 × 10 ⁻² g/L (20°C, pH 7)
n-Octanol/water partition coefficient	Log K _{ow} = 3.11

The chemistry requirements for Paclobutrazol Technical have been completed.

Health and Environmental Assessment

Health and environmental assessments were not required.

Value assessment

A value assessment is not required for technical grade active ingredient products.

Conclusions

The PMRA has completed an evaluation of the subject application and has found the information sufficient to register a new source of paclobutrazol technical and to amend the guarantee from 90.0% minimum to 96.9% nominal.

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