

Evaluation Report for Category B, Subcategory B.1.2 Application

Application Number: 2006-5850
Application: Category B, Subcategory B.1.2 Application (New or Changes TGAI)
Product: Cheminova Fenoxaprop-P-ethyl Technical Herbicide
Registration Number: 29325
Active ingredients (a.i.): 97.4% of fenoxaprop-P-ethyl
PMRA Document Number: 1748878

Background

The original source of fenoxaprop-p-ethyl technical grade active ingredient, “Fenoxaprop-P-ethyl Technical Herbicide” (Reg. No. 21903), was first registered in 1991.

Purpose of Application

The purpose of this application is to register a new technical source of fenoxaprop-P-ethyl herbicide.

Chemistry Assessment

Common Name: Fenoxaprop -P-ethyl
Chemical Name: ethyl (R)-2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoate

Cheminova Fenoxaprop-P-Ethyl Technical has the following properties:

Property	Result
Colour and physical state	Greyish solid
Nominal concentration	97.4 %
Odour	Weak organic odour
Specific gravity	1.04
Vapour pressure	5.3×10^{-7} Pa at 20 °C
pH	5.8 (1 % dispersion in water)
Solubility in water	0.7 mg/L at 20 °C
n-Octanol/water partition coefficient	$\log K_{ow} 4.58 =$ at 25 °C

The chemistry requirements for Cheminova Fenoxaprop-P-Ethyl Technical are complete.

Health and Environmental Assessment

This new source of fenoxaprop-P-ethyl has been found to be chemically equivalent to the registered source (Reg. No. 21903). Therefore, the health and environmental risk profile of Cheminova Fenoxaprop-P-Ethyl Technical Herbicide is expected to be similar to that of the original registered source.

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 determined that Cheminova Fenoxaprop-P-Ethyl Technical Herbicide is eligible for a full registration, subject to submission of all studies as required under product specific registration policy.

References

- PMRA # 1299684: Confidential Business Information Reference Document: Part 2 Chemistry requirements for the registration of a technical grade of active ingredient: Identity and composition, N/A, MRID: N/A, 2006. DACO: 2.0, 2.1, 2.11, 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12, 2.12.
- PMRA # 1299688: Chemistry requirements for the registration of a technical grade of active ingredient: Properties, N/A, MRID: N/A, 2006. DACO: 2.14, 2.14.1, 2.14.13, 2.14.14, 2.14.2, 2.14.3, 2.14.6, 2.16.
- PMRA # 1316326: Part 2 - Supplement - Chemistry requirements for the registration of a technical grade of active ingredient, N/A, MRID: N/A, 2006. DACO: 2.14, 2.14.10, 2.14.11, 2.14.12, 2.14.4, 2.14.5, 2.14.7, 2.14.8, 2.14.9.

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