

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2006-6261
Application: Category B, Subcategory.1.1 (new source by the current registrant)
Product: Methylene Bis(thiocyanate) Microbicide
Registration Number: 21596
Active ingredients (a.i.): Methylene bis(thiocyanate)
PMRA Document Number: 1560273

Background

The original source of methylene bis(thiocyanate) technical grade active ingredient, "Methylene Bis(thiocyanate) Microbicide" (Reg. No. 21596), was first registered in 1990.

Purpose of Application

The purpose of this application is to register a new technical source of methylene bis(thiocyanate).

Chemistry Assessment

Common Name: Methylene bis(thiocyanate)
IUPAC Chemical Name: Dithiocyanatomethane
CAS Chemical Name: Thiocyanic acid, C,C'-methylene ester

Methylene Bis(thiocyanate) Microbicide has the following properties:

Property	Result
Colour and physical state	Light yellow solid
Nominal concentration	99.00%
Odour	Pungent
Specific gravity	1.5 (at 23.0°C)
Vapour pressure	16.3 mPa (at 26°C)
pH	N/A
Solubility in water	0.28 g/100 g (at 25°C)
<i>n</i> -Octanol–water partition coefficient	$K_{ow} = 2.2$ (at 25°C)

The chemistry requirements for Methylene Bis(thiocyanate) Microbicide have been completed.

Health and Environmental Assessments

The health and environmental risk profile of the new technical source of methylene bis(thiocyanate) is expected to be similar to that of the original registered source of Methylene Bis(thiocyanate) Microbicide, thus health and environmental assessments were not required.

Value Assessment

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

Conclusion

The PMRA has completed an evaluation of the subject application and has determined that the new technical source of methylene bis(thiocyanate) should be added as a source of the registered product Methylene Bis(thiocyanate) Microbicide.

References

List of Studies/Information Submitted by Registrant

PMRA Document Number	Reference
1301452	2006, Applicants and Manufacturers Names and Addresses, N/A, MRID: N/A, DACO: 2.1,2.2
1301453	2006, Amendment Application PR Notice 98-10, a Change in Source of Active Ingredient and Proposed Alternate Formulation for Methylene Bis (Thiocyanate) EPA Registration No. 8622-42, N/A, MRID: N/A, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
1301454	2006, Establishing Certified Limits, N/A, MRID: N/A, DACO: 2.12.1 CBI
1301455	2006, Preliminary Analysis, 18882, MRID: N/A, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
1301456	2006, EPA Approval Documents Regarding Alternate Source of Active for Methylene Bis (Thiocyanate), N/A, MRID: 468071-01, DACO: 2.16
1548243	2008, DACO 2.13.1, N/A, MRID: N/A, DACO: 2.13.1 CBI
1548244	2008, DACO 2.15, N/A, MRID: N/A, DACO: 2.15 CBI

ISSN: 1911-8082

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