

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2008-0022
Application: New Source of Active Ingredient by a New Registrant
Product: DiaSource Diatomaceous Earth
Registration Number: 29604
Active ingredients (a.i.): Diatomaceous Earth (freshwater source)
PMRA Document Number : 1865094

Background

The source of diatomaceous earth used to determine chemical equivalence was Registration No. 26195.

Purpose of Application

The purpose of this application is to register a new technical source of diatomaceous earth (freshwater). This new source of technical is intended for use in the manufacture of MotherEarth D Pest Control Dust (reviewed under Application No. 2007-7122).

Chemistry Assessment

Common Name: Diatomaceous earth
IUPAC Chemical Name: None
CAS Chemical Name: Diatomite

DiaSource Diatomaceous Earth has the following properties:

Property	Result
Colour and physical state	White fluffy powder
Nominal concentration	81.5%
Odour	Odourless
Density	0.302 g/cm ³ (at 23°C)
Vapour pressure	Not applicable
pH	7.915 (1% suspension)
Solubility in water	Insoluble in water
n-Octanol/water partition coefficient	Not applicable

The chemistry requirements for DiaSource Diatomaceous Earth have been completed.

Health and Environmental Assessments

The health and environmental risk profile of DiaSource Diatomaceous Earth is expected to be similar to that of the precedent technical source. Additional 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 DiaSource Diatomaceous Earth is eligible for full registration.

Reference List

Studies/Information Provided by Applicant/Registrant

PMRA Document Number	Reference
1531367	Chemical Analysis Data Sheet, DACO: 2.1,2.11,2.11.1,2.11.2,2.11.3,2.11.4,2.12,2.13,2.13.1,2.13.2,2.13.3,2.13.4,2.14,2.14.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.2,2.14.3,2.14.4,2.14.5,2.14.6,2.14.7,2.14.8,2.14.9, CBI
1531368	DiaSource Diatomaceous Earth - Technical Data Sheet, DACO: 2.16,2.6,2.7,2.8,2.9, CBI
1531369	Typical Physical Properties, DACO: 2.16, CBI
1531370	Chemistry results, DACO: 2.16, CBI
1659947	2008, DACO 2.1 - 2.15, DACO: 2.0, CBI
1659948	2008, Manufacturing Methods for the TGAI, DACO: 2.11,2.11.3, CBI
1659949	2008, DACO 2.13.1, 2.13.3, 2.13.5, DACO: 2.13.1,2.13.2,2.13.3,2.13.4, CBI
1659950	2008, Batch Data, DACO: 2.13.3, CBI
1700936	2009, Letter, DACO: 2.13.1,2.13.2, CBI
1723488	2009, Characterization of Diatomaceous Earth Samples, DACO: 2.13.3,2.13.4 CBI
1750638	2009, Characterization of Diatomaceous Earth Samples, DACO: 2.13.3,2.13.4 CBI

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