Health Canada Santé Canada

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2009-0721
Application: New Source of Active Ingredient by a New Registrant
Product: Copper Oxychloride Technical -AB
Registration Number: 29864
Active ingredients (a.i.): Copper (present as copper oxychloride) [CUY] / fungicide
PMRA Document Number : 1947601

Background

The source of copper used to determine chemical equivalence was Registration No. 19300.

Purpose of Application

The purpose of this application is to register a new technical source of copper (present as copper oxychloride).

Chemistry Assessment

Common Name: Copper Oxychloride
IUPAC Chemical Name: Dicopper Chloride Trihydroxide, Copper Oxychloride
Chemical Name: Copper Oxychloride

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Copper Oxychloride Technical -AB has the following properties:

Property	Result
Colour and physical state	Green to bluish-green solid or powder
Nominal concentration	Copper (present as copper oxychloride) at 58.97%
Odour	None
Density	0.846-0.701 g/mL
Vapour pressure	N/A as the product is a solid
pH	6.62
Solubility in water	135 ppm (20°C)
n-Octanol/water partition coefficient	N/A as the product is practically insoluble in octanol

The chemistry requirements for Copper Oxychloride Technical -AB have been completed.

Health Assessments

The health and environmental risk profile of Copper Oxychloride Technical –AB 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 Copper Oxychloride Technical –AB is eligible for full registration.

References List

7.1.1 Studies/Information Provided by Applicant/Registrant

PMRA Document Number	Reference
1725032	2009, Chemistry Requirements for the Registration of a MUP, DACO: 2.1,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
1725033	2008, Copper Oxychloride Manufacturing-Use Product Summary of OPPTS 830.1000 Series Product Properties Test Guidelines, DACO: 2.14.10,2.14.11,2.14.14,2.14.5,2.14.9 CBI
1725034	2008, Copper Oxychloride MUP: Preliminary Analysis and Enforcement Analytical Method, DACO: 2.13.1,2.13.2,2.13.3 CBI
1725035	2009, Correspondence, DACO: 0.8
1725037	2009, Manufacturing Summary, DACO: 2.11.1 CBI
1725038	2008, OPPTS Product Properties Test Guidelines Product and Composition, Description of Materials Used to Produce the Product., DACO: 0.9.1,2.11.2,2.11.3,2.11.4,2.12.1 CBI
1725039	2008, Physical and Chemical Characteristics of Copper Oxychloride MUP: Color, Physical State, Odor, Stability, Oxidation/Reduction, pH, UV/Visible Absorption, Melting Point, Bulk Density and Solubility, DACO: 2.14.1,2.14.11,2.14.12,2.14.13,2.14.2,2.14.3,2
1725041	2009, Sample(s) of Analytical Standards and ROC, DACO: 2.15 CBI
1746594	2008, [CBI removed], DACO: 0.14
1746595	2009, Statement of Composition [CBI removed], DACO: 0.14
1746596	2008, MSDS for [CBI removed], DACO: 0.9.1
1817494	2009, Copper oxychloride-letter of intent-TGAI-27oct2009, DACO: 0.8
1817495	2009, Copper Oxychloride MUP- Preliminary Analysis and Enforcement Analytical Method, DACO: 2.13.1,2.13.3 CBI

ISSN: 1911-8082