

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2010-4936
Application: B.1.1 (Product chemistry – new source(site) same registrant)
Product: Basic Copper Carbonate - Hubbell
Registration Number: 30328
Active ingredients (a.i.): Copper carbonate, basic (CUV)
PMRA Document Number : 2119620

Purpose of Application

The purpose of this application was to register an alternate source of the active ingredient Basic Copper Carbonate - Hubbell.

Chemistry Assessment

Common Name: Basic copper carbonate
IUPAC Chemical Name: Not available
CAS Chemical Name: [μ -[carbonato(2-)- $\kappa O:\kappa O'$]]dihydroxydicopper

Basic Copper Carbonate - Hubbell has the following properties:

Property	Result
Colour and physical state	Blue-green powder
Nominal concentration	56.52% copper
Odour	Odourless when dry; slight ammonia odour when damp
Density	1.474 – 1.895 g/mL
Vapour pressure	5×10^{-5} Pa at 25°C
pH	9.36 for a 1% aqueous solution
Solubility in water	$< 2.5 \times 10^{-4}$ g/L at 30°C
n-Octanol/water partition coefficient	Not applicable as it is an inorganic salt

The chemistry requirements for Basic Copper Carbonate - Hubbell have been fulfilled.

Health, Environmental and Value Assessments

Health, environmental and value assessments were not required for this

application.

Conclusion

The PMRA has completed an assessment of the available information and is able to support the registration of the alternate source of Basic Copper Carbonate - Hubbell.

References

PMRA Document Number	Reference
1866729	Confidential Statement of Formula (Wet BCC), DACO: 2.1,2.2 CBI
1866731	Description of the Formulation Process (Dry BCC), DACO: 2.11.1 CBI
1866733	Series 830 Product Identity and Composition, DACO: 2.11.2 CBI
1866735	EPA testing for [CBI REMOVED] for Registration, DACO: 2.13.3,2.13.4
1866736	Product Physical Characteristics (Wet BCC), DACO: 2.14
2079422	Dry Copper Carbonate study, DACO: 2.13.3
2079423	Dry Copper Carbonate #2, DACO: 2.13.3
2079424	[CBI REMOVED] content, DACO: 2.13.4
2114853	2011, Supplemental Data to Case Consulting Laboratories Study No. 2670-01 (2002), DACO: 2.13.3 CBI
2114855	2011, Supplemental Data to Analytical & Regulatory Chemistry, DOC #ARC-EX-772-011-P-1 (2010), DACO: 2.13.3 CBI

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