

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2014-2545
Application: New TGAI or ISP Product Chemistry – New source (site) new registrant
Product: Basic Cupric Carbonate Technical Grade
Registration Number: 31755
Active ingredients (a.i.): Copper, present as basic copper carbonate
PMRA Document Number: 2507351

Purpose of Application

The purpose of this application was to register a new source of the active ingredient copper, present as basic copper carbonate, by a new registrant. The product is Basic Cupric Carbonate Technical Grade.

Chemistry Assessment

Common Name: Basic copper carbonate
IUPAC* Chemical Name: Copper(II) carbonate hydroxide (2:1:2)
CAS† Chemical Name: Copper, [μ -[carbonato(2-)-κO:κO']] dihydroxydi-

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Basic Cupric Carbonate Technical Grade has the following properties:

Property	Result
Colour and physical state	Green powder
Nominal concentration	56.52% as copper
Odour	None
Density	1.2 g/cm ³
Vapour pressure	Negligible as product is a solid
pH	N/A as product is not soluble in water
Solubility in water	Negligible
n-Octanol/water partition coefficient	N/A as product is not soluble in water

The chemistry requirements for Basic Cupric Carbonate Technical Grade have been fulfilled.

Health, Environmental and Value Assessments

Health, environmental and value assessments were not required with this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the available information and is able to support the registration of a new source of the active ingredient copper, present as copper carbonate, by a new registrant. The product is Basic Cupric Carbonate Technical Grade.

References

PMRA Document Number	References
1838207	2001, Product Chemistry Vol. 1, DACO: 2.1,2.11,2.7,2.8,2.9 CBI
1838211	2001, Product Chemistry Vol. 2, DACO: 2.12.1,2.13 CBI
1838212	2009, Updated Analytical Data, DACO: 2.13.3,2.13.4 CBI
1838213	2001, Product Chemistry Vol. 3, DACO: 2.14 CBI
1838214	2002, Product Chemistry Vol. 4, DACO: 2.14.13,2.14.14 CBI
1838215	2003, Product Chemistry Vol. 5, DACO: 2.14.14 CBI
2441118	2014, Applicants Name and Office Address, DACO: 2.1,2.2,2.3,2.3.1 CBI
2441119	2014, Common Chemical Information, DACO: 2.4,2.5,2.6,2.7,2.8,2.9
2441125	2014, Determination of Total Copper [CBI REMOVED] in Five Batches of Basic Copper Carbonate (BCC), DACO: 2.13.3 CBI
2453171	2003, Product chemistry Review of Technical Grade Basic Cupric Carbonate, DACO: 2.14.1,2.14.13,2.14.14,2.14.15,2.14.2,2.14.6,830.7000 CBI
2453172	2008, Product chemistry Review of Technical Grade Basic Cupric Carbonate, DACO: 2.14.10,2.14.11,2.14.3,2.14.4,2.14.5,2.14.7,2.14.8,2.14.9 CBI
2453173	2008, UV/Visible Absorption, DACO: 2.14.12 CBI
2485603	2010, Description of Starting Materials, DACO: 2.11.2 CBI

ISSN: 1911-8082

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