

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2013-2441
Application: New / Changes TGAI or ISP Prod Chemistry-New Source(site) same registrant
Product: BCC TECHNICAL
Registration Number: 31424
Active ingredients (a.i.): Copper, present as basic copper carbonate
PMRA Document Number : 2405429

Purpose of Application

The purpose of this application was to register a new source of an existing active ingredient by an existing registrant.

Chemistry Assessment

Common Name: Copper, present as basic copper carbonate
IUPAC* Chemical Name: Copper(II) carbonate hydroxide (2:1:2)
CAS† Chemical Name: [μ -[carbonato(2-)- $\kappa O:\kappa O'$]]dihydroxydicopper

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

BCC Technical has the following properties:

Property	Result
Colour and physical state	Light green powder
Nominal concentration	56.1% as copper
Odour	None
Density	4.04 g/cm ³ at 20°C
Vapour pressure	Negligible as product is a solid
pH	7.56 (1 % dilution in water)
Solubility in water	0.22 mg/L
n-Octanol/water partition coefficient	Not applicable as product is inorganic

The chemistry requirements for BCC Technical have been fulfilled.

Health Assessments

The toxicology profile of the new source of the technical grade active ingredient is not expected to be different from that of the currently registered source.

Environmental Assessment

The Environmental Assessment Directorate (EAD) has determined that the new source of TGAI represents a decrease in the concentration of the impurities arsenic, lead, chromium, nickel and cobalt compared to currently registered sources of TGAI. In several currently registered sources of copper TGAI, the concentrations of cadmium were either not provided or the limit of quantification for cadmium was not provided. The EAD therefore has no objection to the registration of the new source of copper TGAI.

Value Assessment

A value assessment was not required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product BCC Technical, and is able to support the registration of the new source proposed.

References

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- 2355831 2013, Response to Clarification, DACO: 2.13.4 CBI

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