

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2024-0513
Application: Changes to Technical Grade Active Ingredient (Product Chemistry) – New Source (Site) Same Registrant
Applicant: American Chemet Corporation
Product: Cupric Oxide
Registration Number: 26826
Active ingredient (a.i.): Copper (present as cupric oxide)
PMRA Document Number: 3631012

Purpose of Application

The purpose of this application was to add a new source of copper (present as cupric oxide) to the registration for Cupric Oxide.

Chemistry Assessment

Common Name: Cupric Oxide
IUPAC* Chemical Name: Copper(II) oxide
CAS† Chemical Name: Copper oxide (CuO)

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Cupric Oxide has the following properties:

Property	Result
Colour and physical state	Black powder
Nominal concentration	78.8%
Odour	Odourless
Density	2.40 g/mL
Vapour pressure	Not applicable; the product is solid
pH	Not applicable; the product is solid
Solubility in water	0.729 ppm
n-Octanol/water partition coefficient	Not required

The required chemistry data for Cupric Oxide have been provided, reviewed, and found to be acceptable.

Health, Environmental and Value Assessments

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

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to support the addition of the new source of copper (present as cupric oxide) to the registration for Cupric Oxide.

References

PMRA

Document Number

Reference

3553086	2024, Brief Overview of Manufacturing Summary, DACO: 2.11.1 CBI
3553087	2024, Cupric Oxide technical Starting Materials, DACO: 2.11.2 CBI
3553088	2024, Cupric Oxide Production Process Description, DACO: 2.11.3 CBI
3553089	2024, Discussion of formation of impurities, DACO: 2.11.4 CBI
3553091	2024, Batch Numbers, Manufacturing Dates and sizes for AC-2016-01, DACO: 2.13.3 CBI
3553092	2017, Cupric Oxide [CBI Removed] 5 Batch Analysis, DACO: 2.13.3 CBI
3553093	2024, Batch Numbers Manufacturing Dates and Batch sizes for ACC-2022- 01, DACO: 2.13.3 CBI
3553094	2022, Cupric Oxide 5-Batch Analysis [CBI Removed], DACO: 2.13.3 CBI
3570382	2023, [CBI Removed] CoA, DACO: 2.11.2 CBI
3570383	2023, [CBI Removed] CoA, DACO: 2.11.2 CBI

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