

## Evaluation Report for Category B, Subcategory 1.3 Application

**Application Number:** 2021-2471  
**Application:** Changes to TGA1 Chemistry; Specifications  
**Product:** Kocide Copper Hydroxide Technical  
**Registration Number:** 27503  
**Active ingredients (a.i.):** Copper, present as copper hydroxide  
**PMRA Document Number :** 3356062

### Purpose of Application

The purpose of this application was to add another manufacturing process for Kocide Copper Hydroxide Technical.

### Chemistry Assessment

**Common Name:** Copper hydroxide  
**IUPAC\* Chemical Name:** Copper (II) hydroxide *or* copper (2+) hydroxide  
**CAS† Chemical Name:** Copper hydroxide [Cu(OH)<sub>2</sub>]

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Kocide Copper Hydroxide Technical has the following properties:

Property	Result
Colour and physical state	Blue solid (powder)
Nominal concentration	61% (copper present as copper hydroxide)
Odour	Slight ammonia odour
Density	0.41 – 0.78 g/cm <sup>3</sup>
Vapour pressure	N/A
pH	6.0 – 8.5
Solubility in water	5.06 × 10 <sup>-4</sup> g/L (pH 6.5)
n-Octanol/water partition coefficient	logK <sub>ow</sub> = 0.44 (estimated)

The required chemistry data for Kocide Copper Hydroxide Technical 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 sufficient to add the manufacturing process for Kocide Copper Hydroxide Technical.

## References

### PMRA

#### Document

Number	Reference
3235911	2020, Copper Hydroxide Technical: Complete Analysis of Five Batch Samples, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3235912	2020, Copper Hydroxide Technical: Spectroscopic Characterisation of Five Batch Samples, DACO: 2.13.2,2.13.3 CBI
3235915	2020, Copper Hydroxide Technical: Validation of the Analytical Method for the Determination of [CBI Removed], DACO: 2.13.1 CBI
3235916	2015, Copper Hydroxide Technical: Validation of the Analytical Method for the Determination of [CBI Removed], DACO: 2.13.1 CBI
3235917	2015, Copper Hydroxide Technical: Validation of the Analytical Method for the Determination of [CBI Removed], DACO: 2.13.1 CBI
3235918	2017, Technical Copper Hydroxide: Validation of the Analytical Method for the Determination of [CBI Removed], DACO: 2.13.1 CBI
3235919	2014, Technical Copper Hydroxide: Validation of the Analytical Method for the Determination of the Active Ingredient Content, DACO: 2.13.1 CBI
3235920	2014, Technical Copper Hydroxide: Validation of the Analytical Method for the Determination of [CBI Removed], DACO: 2.13.1 CBI
3235921	2020, Technical Grade Copper Hydroxide (Alternate Process) Manufacturing Description and Formation of Impurities, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI

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