

## Evaluation Report for Category L, Subcategory 1.1 Application

**Application Number:** 2020-1803  
**Application:** Submissions Subject to Protection of Proprietary Interests in Pesticide Data Policy/ Data Compensation Assessment  
**Product:** Sharda Copper Hydroxide Technical  
**Registration Number:** 34398  
**Active ingredient (a.i.):** Copper, present as copper hydroxide  
**PMRA Document Number :** 3293486

### Purpose of Application

The purpose of this application was to register a new source of copper, present as copper hydroxide, Sharda Copper Hydroxide Technical, based on a precedent.

### Chemistry Assessment

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

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Sharda Copper Hydroxide Technical has the following properties:

Property	Result
Colour and physical state	Light blue solid
Nominal concentration	61.12 %
Odour	Odourless
Density	3.216-3.471 g/mL
Vapour pressure	negligible
pH	8.41 (1% solution)
Solubility in water	0.506 mg/L (pH 6.5)
n-Octanol/water partition coefficient	log K <sub>ow</sub> = 0.44 (calculated)

The required chemistry data for Sharda 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 provide and has found it sufficient to support the registration of Sharda Copper Hydroxide Technical.

## References

PMRA Document Number	References
3119847	2019, Copper Hydroxide Technical: Validation of the Analytical Method for the Determination of the Active Ingredient Content, DACO: 2.13.1 CBI
3119848	2019, Copper Hydroxide Technical: Validation of the Analytical Method for the Determination of the Significant Impurities Content [CBI REMOVED], DACO: 2.13.1,2.13.4 CBI
3119849	2019, Copper Hydroxide Technical: Validation of the Analytical Method for the Determination of the Significant Impurity Content [CBI REMOVED], DACO: 2.13.1,2.13.4 CBI
3119850	2019, Copper Hydroxide Technical: Validation of the Analytical Method for the Determination of Four Relevant Impurities Content [CBI REMOVED], DACO: 2.13.1,2.13.4 CBI
3119851	2017, Copper Hydroxide Technical: Complete Analysis of Five Batch Samples, DACO: 2.13.2,2.13.3,2.13.4 CBI
3119852	2017, Copper Hydroxide Technical: Spectroscopic Characterisation of Five Batch Samples, DACO: 2.13.3 CBI
3119856	2019, Physiochemical Properties of Copper Hydroxide Technical, DACO: 2.14.1,2.14.10,2.14.12,2.14.15,2.14.2,2.14.3,2.14.4,2.14.6,2.16,830.7000
3119857	2019, Stability to Normal and Elevated temperatures, Metals, Metal Ions and Corrosion Characteristics of Copper Hydroxide Technical, DACO: 2.13.1, 2.13.2,2.14.13,2.14.14,2.16 CBI
3119859	2020, Manufacturing Description - Copper Hydroxide TGAI, DACO: 2.11.1, 2.11.2,2.11.3,2.11.4,2.12.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
3119870	2020, Sharda Copper Hydroxide TGAI - Waiver for Partition Coefficient, DACO: 2.14.11
3119871	2020, Sharda Copper Hydroxide TGAI - Waiver for Vapour Pressure, DACO: 2.14.9
3235526	2021, Determination of [CBI REMOVED] in Copper Hydroxide, DACO: 2.13.3,2.13.4 CBI
3235527	2021, Copper Hydroxide Manufacturing Process and Impurities Formation Description, DACO: 2.11.1,2.11.2,2.11.3, 2.11.4 CBI

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