

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2016-0344
Application: Technical Grade Active Ingredient - New Source, New Registrant
Product: QNAP8 MU
Registration Number: 32724
Active ingredient (a.i.): Copper (present as copper naphthenate)
PMRA Document Number: 2718280

Purpose of Application

The purpose of this application was to register QNAP8 MU, a new source of the active ingredient copper, present as copper naphthenate, by a new registrant.

Chemistry Assessment

Common Name: Copper, present as copper naphthenate
IUPAC* Chemical Name: Copper naphthenate
CAS† Chemical Name: Copper naphthenates

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

QNAP8 MU has the following properties:

Property	Result
Colour and physical state	Blue-green liquid
Nominal concentration	8% as copper
Odour	Organic solvent
Density	1.1 g/mL
Vapour pressure	53.3 Pa (at 20°C)
pH	5.15 for a 1% dilution
Solubility in water	4.7 mg/L
n-Octanol/water partition coefficient	Log K_{ow} = 2.3

The required chemistry data for QNAP8 MU have been provided, reviewed, and found to be acceptable.

Health Assessment

The toxicological properties of QNAP8 MU are not expected to be significantly different than those of the precedent product.

Environmental Assessment

The use of QNAP8 MU is not expected to result in an increase in environmental risk when compared to similar products registered for similar use. Statements on the label are sufficient to mitigate environmental risk.

Value Assessment

A value assessment was not required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information submitted, and has found the information sufficient to support the registration of QNAP8 MU.

References

PMRA Number	Document	Reference
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2600687		2016, Basic Product Information and Chemistry, DACO: 2.1,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
2600688		2011, QNAP8 MU Copper Naphthenate Concentrate: Product Identity and Composition, description of Starting Materials Used to produce the Product and the Manufacturing Process; Discussion of Potential Impurity Formation; Preliminary Analysis; Certified Limits and Enforcement Analytical Method, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.13.1,2.13.2 CBI
2600689		2011, QNAP8 MU: Preliminary Analysis, DACO: 2.13.3 CBI
2600690		2011, Physical and Chemical Characteristics of QNAP8 MU: Color, Physical State, Odor, Flammability, Miscibility, pH, Viscosity and Density, DACO: 2.14.1,2.14.15,2.14.2,2.14.3,2.14.6,830.7000 CBI
2600691		2013, Physical and Chemical Characteristics of QNAP8 MU: Storage Stability and Corrosion Characteristics, DACO: 2.14.14 CBI
2600692		2016, Chemical and Physical Properties, DACO: 2.14.10,2.14.11,2.14.12,2.14.13,2.14.4,2.14.5,2.14.7,2.14.8,2.14.9 CBI
2655614		2016, Five Batch Analytical Data for [CBI REMOVED], DACO: 2.13.4 CBI
2675812		2016, Clarification for Manufacturing Process, DACO: 2.11.3 CBI
2675813		2016, Manufacturing Dates, DACO: 2.13.3 CBI
2675814		2016, Analysis Certificate document QZ16019185, DACO: 2.13.3 CBI

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