

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2017-1423
Application: B.1.2: New Source New Registrant
Product: Copper Sulfate Crystals
Registration Number: #####
Active ingredients (a.i.): Copper (Presents As Copper Sulfate Pentahydrate)
PMRA Document Number: 2824585

Purpose of Application

The purpose of this application was to register a new source of the technical product, Copper Sulfate Crystals.

Chemistry Assessment

Common Name: Copper (Present as Copper Sulfate Pentahydrate)
IUPAC* Chemical Name: Copper (II) sulfate pentahydrate
CAS† Chemical Name: Sulfuric acid copper (2+) salt (1:1), hydrate (1:5)

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Copper Sulfate Crystals has the following properties:

Property	Result
Colour and physical state	Blue /ultramarine solid
Nominal concentration	25.2%
Odour	No detectable odour
Density	2.286 g/cm ³ at 15°C
Vapour pressure	Non-volatile
pH	4.2-4.8 (1% aqueous dispersion)
Solubility in water	316 g/L
n-Octanol/water partition coefficient	Insoluble in octanol

The required chemistry data for the technical product, Copper Sulfate Crystals have been provided, reviewed, and found to be acceptable.

Health, Environmental and Value Assessment

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

Conclusion

PMRA has reviewed the information provided in support of the new source of the technical product, Copper Sulfate Crystals. Based on the results of this review, the new source of the technical product, Copper Sulfate Crystals is acceptable for registration.

References

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- 2811803 2017, Updated Processing Diagram, DACO: 2.11.3 CBI
- 2811804 2017, [CBI Removed] Response, DACO: 2.13.3 CBI
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- 2817616 2017, Listing of All starting material suppliers, DACO: 2.11.2 CBI

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