



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2020-2860
Application: Changes TGAI (Product Chemistry) -New Source (site) same registrant
Product: Arsenic Acid 75%
Registration Number: 24245
Active ingredient (a.i.): Arsenic Acid
PMRA Document Number: 3325861

Purpose of Application

The purpose of this application was to register a second manufacturing site for the technical grade active ingredient (TGAI), Arsenic Acid 75%.

Chemistry Assessment

Common Name: Arsenic Acid
IUPAC* Chemical Name: Arsenic Acid
French IUPAC* Chemical Name: Acide Arsénique
CAS† Chemical Name: Arsenic Acid

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Arsenic Acid 75% has the following properties:

Property	Result
Colour and physical state	Pale yellow liquid
Nominal concentration	39.6% arsenic, present as arsenic acid
Odour	None
Density	1.9 g/cm ³
Vapour pressure	1.3 kPa at 15°C
pH	1.0
Solubility in water	Soluble
n-Octanol/water partition coefficient	Not applicable

The required chemistry data for Arsenic Acid 75% 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 support the registration of the additional manufacturing site to the TGAI, Arsenic Acid 75%.

References

PMRA Document Number	Reference
3135591	2017, Arsenic Acid 75% - Production Process Description and Preliminary Analysis, DACO: 2.11, 2.13 CBI
3296545	2021, Final Study Report for the Determination of Arsenic Acid Content, Water Content, and [CBI Removed] Impurities in Arsenic Acid, 75%, DACO: 2.13.3,2.13.4 CBI

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