

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2018-2197
Application: Changes to Technical Grade Active Ingredient Product Chemistry
– New source (site) same registrant
Product: Decyl Alcohol
Registration Number: 30737
Active ingredient (a.i.): n-Decanol
PMRA Document Number: 2992574

Purpose of Application

The purpose of this application was to register another manufacturing site for the technical grade active ingredient product Decyl Alcohol.

Chemistry Assessment

Accepted Name: *n*-Decanol
IUPAC* Chemical Name: Decan-1-ol
CAS† Chemical Name: 1-Decanol

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Decyl Alcohol has the following properties:

Property	Result
Colour and physical state	colourless liquid
Nominal concentration	99.3 %
Odour	floral waxy, fruity
Density	0.82 – 0.83 g/cm ³
Vapour pressure	1.13 Pa (at 25°C)
pH	not available
Solubility in water	insoluble in water
n-Octanol/water partition coefficient	log K _{ow} = 4.57

The required chemistry data for Decyl Alcohol 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 submitted data and has found it sufficient to register another manufacturing site for Decyl Alcohol.

References

PMRA Document Number	References
2889199	2018, Manufacturing Methods for TGAI Description of Starting Materials, DACO: 2.11.2 CBI
2889201	2018, Manufacturing Methods for TGAI Production Process Description, DACO: 2.11.3 CBI
2889202	2018, Manufacturing Methods for TGAI Discussion of Impurities, DACO: 2.11.4 CBI
2990144	2019, Manufacturing Methods for TGAI Discussion of Impurities, DACO: 2.11.4 CBI
2990146	2018, Preliminary Analysis Batch Data, DACO: 2.13.2,2.13.3,2.13.4 CBI
2990145	2018, Analytical Method_GC Analysis of Fatty Alcohols, DACO: 2.13.1,2.13.2 CBI
2990147	2019, C10 Alcohol 5-Batch Analysis Report Supplement - RT Matching, DACO: 2.13.2,2.13.3,2.13.4 CBI
2889205	2018, Physical/Chemical Properties, DACO: 2.14.1, 2.14.10, 2.14.11, 2.14.12, 2.14.13, 2.14.14, 2.14.2, 2.14.3, 2.14.4, 2.14.5, 2.14.6, 2.14.7, 2.14.8, 2.14.9 CBI

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