

Evaluation Report for Category B, Subcategory 1.1, 4.6, 7.0 Application

Application Number: 2014-3865

Application: New TGAI Product Chemistry – New Source (site) same registrant, Submission to fulfill conditions of registration on a product with full registration, Reinstatement of Registered Product

Product: Dichlorvos (DDVP) Technical

Registration Number: 19723

Active ingredients (a.i.): Dichlorvos

PMRA Document Number: 2724320

Purpose of Application

The purpose of this application was to reinstate the registration for Dichlorvos (DDVP) Technical, to add a new source (site), and to address the condition of registration (batch data) for the previously registered source (site).

Chemistry Assessment

Common Name: Dichlorvos

IUPAC* Chemical Name: 2,2-dichloroethenyl dimethyl phosphate

CAS† Chemical Name: 2,2-dichloroethenyl dimethyl phosphate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Dichlorvos (DDVP) Technical has the following properties:

Property	Result
Colour and physical state	Colourless to amber liquid
Nominal concentration	97.7%
Odour	Slight chemical
Density	1.41 - 1.43 g/mL
Vapour pressure	1.6 Pa (at 20°C)
pH	4
Solubility in water	18 g/L (25°C)
n-Octanol/water partition coefficient	Log K _{ow} = 1.9

The required chemistry data for Dichlorvos (DDVP) Technical have been provided, reviewed, and found to be acceptable.

Health Assessments

The health risk profile of Dichlorvos (DDVP) Technical is expected to be similar to that of the originally registered source of dichlorvos.

Environmental Assessment

The PMRA has concluded that the reinstatement of the technical grade active ingredient Dichlorvos (DDVP) Technical and the addition of a new source are not expected to pose an unacceptable risk to non-target organisms. Appropriate risk mitigation statements are included on the product label.

Value Assessment

A value assessment was not required for this application.

Conclusion

The PMRA has reviewed the available information in support of this application and has determined that the condition of registration for Dichlorvos (DDVP) Technical has been addressed, the product can be re-instated, and the addition of a new site is acceptable.

References

PMRA Document Number	Reference
2456730	1997, DDVP Technical: Preliminary Analysis Product Identity and Impurity Identification, DACO: 2.13 CBI
2456732	2007, Preliminary Analysis of DDVP Technical (Nuvan), DACO: 2.13 CBI
2495066	2009, Development and Validation of an Analytical Method or the Analysis of [CBI Removed] in DDVP Technical, DACO: 2.13.1 CBI
2497739	2015, Production Process for Dichlorvos Technical Grade Insecticide, DACO: 2.11 CBI
2512868	2015, Qualitative Characterization of [CBI Removed] Standard, DACO: 2.13.2 CBI
2512869	2015, Analysis of [CBI Removed] Standard, DACO: 2.13.2
2527742	2015, Enforcement Analytical Method for the Determination of [CBI Removed] in DDVP Technical, DACO: 2.13.1 CBI
2527743	2015, Enforcement Analytical Method for the Determination of [CBI Removed] in DDVP Technical, DACO: 2.13.1 CBI
2554160	2015, Materials Used for Production of Dichlorvos Technical Grade Insecticide, DACO: 2.11.2 CBI
2554161	2015, Formation of Impurities: Dichlorvos Insecticide Technical Grade, DACO: 2.11.4 CBI
2554162	2015, Quality Control Verification of Dichlorvos (DDVP) Technical Composition, DACO: 2.13.1 CBI
2675391	2016, DDVP Method Validation for the Quantification of Active Substance, DACO: 2.13.1 CBI
2675392	2016, DDVP Method Validation for the Quantification of Impurity Components, DACO: 2.13.1 CBI
2675393	2016, DDVP Batch Analysis, DACO: 2.13.3 CBI
2690742	2016, DDVP Method Validation, DACO: 2.13.4 CBI
2690743	2016, DDVP Method Validation, DACO: 2.13.4 CBI
2690744	2016, DDVP Batch Analysis, DACO: 2.13.4 CBI

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