

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2010-0225
Application: Changes to the TGAI or ISP Prod Chemistry - new source site for the same registrant
Product: KMG Technical Penta Blocks
Registration Number: 22024
Active ingredients (a.i.): Pentachlorophenol plus related active chlorophenols (PCP)
PMRA Document Number : 2075507

Purpose of Application

The purpose of this application was to register a new source of the active ingredient, pentachlorophenol, for the currently registered product KMG Technical Penta Blocks (Registration number 22024).

This source has been previously registered under Registration number 21803, however, the registration lapsed at the end of 2003 and when it was re-instated, the registrant inadvertently discontinued the wrong site. This submission was requested by the PMRA after this error was discovered during the re-evaluation process.

Chemistry Assessment

Accepted Name: Pentachlorophenol
 Chemical Name: Pentachlorophenol

KMG Technical Penta Blocks has the following properties:

Property	Result
Colour and physical state	Light brown to tan solid
Nominal concentration	96.0 %
Odour	Phenolic
Specific gravity	1.98
Vapour pressure	4.15 mPa (25 °C)
Solubility in water	14 mg/L at 20°C
n-Octanol/water partition coefficient	log K _{ow} = 5.01

The chemistry requirements for KMG Technical Penta Blocks are complete.

Technical grade pentachlorophenol contains the TSMP Track 1 contaminants hexachlorobenzene, polychlorinated dibenzo-p-dioxins substituted in at least the 2,3,7,8 positions, and polychlorinated dibenzofurans substituted in at least the 2,3,7,8 positions, which are identified in the *Canada Gazette*, Part II, Volume 139, Number 24, pages 2641B2643: *List of Pest Control Product Formulants and Contaminants of Health or Environmental Concern, Part 3 Contaminants of Health or Environmental Concern*. The PMRA is managing the presence of these contaminants in accordance with the Agency's strategy to prevent or minimize releases, with the ultimate goal of virtual elimination as described in *The Pest Management Regulatory Agency's Strategy for Implementing the Toxic Substances Management Policy*.

Health, Environmental and Value Assessments

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

Conclusion

The PMRA has completed an assessment of the available information for KMG Technical Penta Blocks, and has found the information to be sufficient to register a new source of pentachlorophenol, to be used in KMG Technical Penta Blocks.

References

PMRA No.	Title
1846923	2009, DACO 2.1 to 2.3, DACO: 2.1,2.2,2.3,2.3.1 CBI
1846925	1986, Typical Analysis of Idacon Brand Wood-Treat Technical Pentachlorophenol, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.13,2.13.1,2.13.2,2.13.3,2.13.4,2.14 CBI
1846926	2009, DACO 2.13.3 Batch Data, DACO: 2.13.3 CBI
1984631	2010, DACO 2.2 Manufacturing Plant, DACO: 2.2 CBI
1984632	2010, DACO 2.13.3 Batch Data, DACO: 2.13.3 CBI

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