

Evaluation Report for Category B, Subcategory 1.3 Application

Application Number: 2008-0812
Application: B.1.3 - Change Product Chemistry
Product: Prometrex (Prometryn) Technical
Registration Number: 22879
Active ingredients (a.i.): Prometryn plus related active triazines
PMRA Document Number: 1809471

Purpose of Application

The purpose of this application was to submit batch data to verify levels of hexachlorobenzene in the subject product.

Chemistry Assessment

Common Name: Prometryn
Chemical Name: *N,N'*-bis(1-methylethyl)-6-(methylthio)-1,3,5-triazine-2,4-diamine

Prometrex (Prometryn) Technical has the following properties:

Property	Result
Colour and physical state	White powder
Nominal concentration	97.5 %
Specific gravity	1.15
Vapour pressure	0.165 mPa at (25°C)
Solubility in water	33 mg/L at 25°C
n-Octanol/water partition coefficient	$\log K_{ow} = 3.1$ at 25°C

The chemistry requirements for Prometrex (Prometryn) Technical are complete.

Technical grade prometryn contains the Track 1 contaminant hexachlorobenzene which is 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 Assessment

The occurrence of current levels of hexachlorobenzene as a microcontaminant in Prometrex (Prometryn) Technical is not expected to significantly alter the toxicity profile of this product. No toxicological data were required.

No new residue data were submitted. The batch analysis showed hexachlorobenzene (HCB) was detected at near or less than the LOQ level (5 ppb) in Prometrix Technical. From a food residue view point, the residues of HCB in food resulting from the use of an end-use product formulated with Prometrix Technical would be minimal. Consequently, no concern in dietary exposure is anticipated.

Environmental and Value Assessments

Environmental and Value assessments were not required for this application.

Conclusion

The Agency has completed an assessment of the subject application and has found the levels of hexachlorobenzene to be appropriate.

References

1558318 1993, Hexachlorobenzene and Pentachlorobenzene Quantitation in Technical Prometryn, 11505, MRID: NS, DACO: 2.13.3 CBI

ISSN: 1911-8082

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