

New/Changes to the TGAI or ISP Prod Chemistry-New Source (site) same registrant Evaluation Report for Category B, Subcategory 1.1 Application

Application Number:2007-4116Application:New source by the same registrantProduct:Bromacil Technical HerbicideRegistration Number:20120Active ingredients (a.i.):BromacilPMRA Document Number:1585765

Background

Bromacil Technical Herbicide has been registered since March 20, 1987 and is registered for use in manufacturing, formulating and repackaging.

Purpose of Application

The purpose of this CAT B.1.1 submission is to register 2 new manufacturing sites and to change the guarantee from 97.2% minimum to 97.2% nominal for Bromacil Technical Herbicide (PCP # 20120).

Chemistry Assessment

Common Name:	Bromacil
Chemical Name:	(<i>RS</i>)-5-bromo-3- <i>sec</i> -butyl-6-methyluracil

Property	Result
Colour and physical state	light tan solid
Nominal concentration	97.2% by HPLC
Odour	mild, innocuous odour
Density @ 23°C	0.74 g/cm^3
Vapour pressure	4.64 x 10 ⁻³ mPa @ 20°C 1.14 x 10 ⁻¹ mPa @ 40°C

Bromacil Technical has the following properties:



Property	Result
рН	6.4 (1% slurry in distilled water)
Solubility in water @ 25°C	pH Solubility (mg/100g water) 5 80.7 7 70.0 9 128.7
<i>n</i> -Octanol–water partition coefficient (K _{ow})	$\begin{array}{ccc} \underline{pH} & \underline{K}_{ow}.(\underline{\log K}_{ow}) \\ 5 & 75.2 (1.88) \\ 7 & 74.5 (1.87) \\ 9 & 42.6 (1.63) \end{array}$

The chemistry requirements for Bromacil Technical Herbicide have been completed.

Health Assessments

Not required.

Environmental Assessment

Not required.

Value Assessment

Not required.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to register 2 new manufacturing sites and to change the guarantee from 97.2% minimum to 97.2% nominal for Bromacil Technical Herbicide .

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