

Evaluation Report for Category B, Subcategory 2.3, 2.4 Application

Application Number: 2017-1646
Application: New End-Use Product Chemistry – Identity and Proportion of Formulants
Product: Volta Herbicide
Registration Number: 33178
Active ingredient (a.i.): Thifensulfuron-methyl
PMRA Document Number: 2877610

Purpose of Application

The purpose of this application was to register the end-use product (EP), Volta Herbicide, to be used on various crops for selective weed control.

Chemistry Assessment

Volta Herbicide is formulated as water dispersible granules containing Thifensulfuron-methyl at a nominal concentration of 75 %. This EP has a density of 0.699 g/mL and pH of 5.39. The required chemistry data for Volta Herbicide have been provided, reviewed and found to be acceptable.

Health Assessments

Volta Herbicide was of low acute oral, dermal and inhalation toxicity in the rat. It is minimally irritating to the eye and slightly irritating to the skin of the rabbit. It is not a dermal sensitizer in the guinea pig.

The use of Volta Herbicide, on wheat (spring, winter or durum), barley, oats, Imazethapyr tolerant canola (e.g. canola with the SMART™ trait), and CDC Triffid flax, to control various labelled weeds, is identical to that of the registered precedent product. Therefore, the exposure to mixers, loaders, applicators and postapplication re-entry workers is not expected to exceed the current exposure to the registered product.

No residue data were submitted in support of the registration of Volta Herbicide. The use pattern of the EP was determined to be identical to that of the registered precedent product. Therefore, the previously reviewed data were reassessed in the framework of the current submission and it was confirmed that the use of the EP is not expected to result in an increase in the magnitude of thifensulfuron-methyl residues in/on the treated crops. Therefore, the use of Volta Herbicide will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

No risks of concern are expected with the uses of Volta Herbicide. Environmental concerns have been mitigated through adequate statements on the product label and no further environmental considerations are required.

Value Assessment

The registration of Volta Herbicide means users will have an additional choice of EP in the marketplace.

The performance of Volta Herbicide in terms of crop tolerance and efficacy can be expected to be comparable to that of the precedent product.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found the information sufficient to support the registration of Volta Herbicide.

References

PMRA Document Number	References
2746817	2017, Manufacturing Process of Thifensulfuron-methyl 750g/kg WG , DACO: 3.2.1, 3.2.2 CBI
2746818	2006, Determination of Physical and Chemical Properties of a Thifensulfuron methyl 750 g/kg WG formulation: Active Ingredient Content, DACO: 3.3.1, 3.4.1
2746820	2006, Determination of Physical and Chemical Properties of a Thifensulfuron methyl 750 g/kg WG formulation: Appearance, DACO: 3.5.1, 3.5.2
2746821	2006, Determination of Physical and Chemical Properties of a Thifensulfuron methyl 750 g/kg WG formulation: Explosive Properties, DACO: 3.5.12
2746822	2006, Determination of Physical and Chemical Properties of a Thifensulfuron methyl 750 g/kg WG formulation: Oxidising Properties, DACO: 3.5.8
2746823	2006, Determination of Physical and Chemical Properties of a Thifensulfuron methyl 750 g/kg WG formulation: Flammability, DACO: 3.5.11
2746824	2006, Determination of Physical and Chemical Properties of a Thifensulfuron methyl 750 g/kg WG formulation: Autoflammability, DACO: 3.5.11
2746826	2006, Determination of Physical and Chemical Properties of a Thifensulfuron methyl 750 g/kg WG formulation: Acidity/Alkalinity, DACO: 3.5.7
2746827	2006, Determination of Physical and Chemical Properties of a Thifensulfuron methyl 750 g/kg WG formulation: Bulk Density, DACO: 3.5.6
2746833	2006, Determination of Physical and Chemical Properties of a Thifensulfuron methyl 750 g/kg WG formulation: Accelerated Storage Stability, DACO: 3.5.10,3.5.14
2746835	2009, Ambient Temperature Shelf Life of Thifensulfuron methyl 750 g/kg WG formulation, DACO: 3.5.10,3.5.14

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