

Evaluation Report for Category B, Subcategory B.2.3 and B.2.4 Application

Application Number: 2007-4676
Application: B.2.3 : Change to MA Product Chemistry - Identity of Formulants
B.2.4 : Change to MA Product Chemistry - Proportion of Formulants
Product: Rimsulfuron 25 SG MUP
Registration Number: 29101
Active ingredients (a.i.): Rimsulfuron
PMRA Document Number: 1642083

Purpose of Application

The purpose of this application is to register a new soluble granule manufacturing concentrate containing the registered active ingredient rimsulfuron (Rimsulfuron Technical Product Reg. No. 23517).

Chemistry Assessment

Rimsulfuron 25 SG MUP is formulated as a soluble granular concentrate containing rimsulfuron at a nominal concentration of 25%. This product has a bulk density of 0.638 g/mL and pH of 6.7 (1% solution). The chemistry requirements for Rimsulfuron 25 SG MUP are complete.

Health Assessments

Rimsulfuron 25 SG MUP is of low toxicity to rats via the oral (LD50 between 2000 and 5000 mg/kg) and dermal (LD50 >5000 mg/kg) routes. Rimsulfuron is classified as slightly toxic via the inhalation route. It is minimally irritating to the eye and non irritating to the skin of rabbits. It is not a dermal sensitizer in guinea pigs.

Environmental and Value Assessment

Environmental and Value assessments were not required for this application.

Conclusion

The new formulated manufacturing product, Rimsulfuron 25 SG MUP is acceptable for full registration.

References

Chemistry

- 1445986 2007, N/A, N/A, MRID: N/A, DACO: 3.1.1, 3.1.2, 3.1.3, 3.1.4
- 1445987 2007, N/A, N/A, MRID: N/A, DACO: 3.5.4, 3.5.5
- 1445988 2007, Validation of the HPLC/UV Analytical Method for Determination of Rimsulfuron (DPX-E9636) in Technical Grade and End-Use Products, DuPont-18728, MRID: N/A, DACO: 3.4.1
- 1445995 2007, Rimsulfuron 25 SG Extruded Water-Soluble Granular Herbicide Formulation: Laboratory Study of Physical and Chemical Properties, DuPont-18726, MRID:N/A, DACO: 3.5.10, 3.5.11,3.5.12, 3.5.13,3.5.14,3.5.15, 3.5.2,3.5.6, 3.5.7,3.5.8, 3.5.9
- 1446004 2007, Product Identity and Composition of End-Use Product Rimsulfuron 25SG, Soluble Granule, DuPont-22586, MRID: N/A, DACO: 3.2.1, 3.2.2, 3.3.1 CBI
- 1446005 2007, Product Identity and Composition of End-Use Product Rimsulfuron 25SG, Soluble Granule, DuPont-22586, MRID: N/A, DACO: 3.2.1, 3.2.2, 3.3.1
- 1446006 2007, Validation of the HPLC/UV Analytical Method for Determination of Rimsulfuron (DPX-E9636) in Technical Grad and End-Use Products, DuPont-18728, MRID: N/A, DACO: 3.4.1 CBI
- 1611325 2007, Determination of Rimsulfuron (DPX-E9636) In Technical Grade Rimsulfuron and Rimsulfuron End-Use Products, DuPont-21869, MRID: N/A, DACO: 3.4.1
- 1621038 2008, Rimsulfuron 25SG Extruded Water Soluble Granule Herbicide Formulation: Laboratory Study of Storage Stability and Corrosive Characteristics, DuPont-18727, MRID: N/A, DACO: 3.5.10, 3.5.14 CBI

Toxicology

1445994. Rimsulfuron (DPX E9636) 25SG: Acute Oral Toxicity Study in Rats Up and Down Procedure. E.I. du Pont de Nemours and Company. Laboratory report number DuPont 17867. Study report date: 29 June 2006. DACO 4.6.1.
1445993. Rimsulfuron (DPX E9636) 25SG: Acute Dermal Toxicity Study in Rats. E.I. du Pont de Nemours and Company. Laboratory report number DuPont 17868. Study report date: 18 July 2006. DACO 4.6.2.

- 1445991 Rimsulfuron (DPX-E9636) 25SG: Discussion of Acute Toxicity Studies and Inhalation Toxicity Data Citation to Support Registration of the End-Use Product. DuPont Rimsulfuron 25SG Herbicide. Laboratory report number DuPont 22628. Study report date: 01 March 2007. DACO 4.6.3.
1445990. Rimsulfuron (DPX E9636) 25SG: Acute Eye Irritation Study in Rabbits. E.I. du Pont de Nemours and Company. Laboratory report number DuPont 17871. Study report date: 06 July 2006. DACO 4.6.4.
1446003. Rimsulfuron (DPX E9636) 25SG: Acute Dermal Irritation Study in Rabbits. E.I. du Pont de Nemours and Company. Laboratory report number DuPont 17869. Study report date: 13 June 2006. DACO 4.6.5.
1446002. Rimsulfuron (DPX E9636) 25SG: Local Lymph Node Assay (LLNA) in Mice. E.I. du Pont de Nemours and Company. Laboratory report number DuPont 17870. Study report date: 16 December 2005. DACO 4.6.6.

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