

## Evaluation Report for Category B, Subcategory 2.1, 2.3, 2.4, 2.5 Application

**Application Number:** 2011-0738  
**Application:** New/Changes EP or MA Product Chemistry – Guarantee, Identity of Formulants, Proportion of Formulants, Formulation Type  
**Product:** S-Metolachlor CS 51 Plus Manufacturing Concentrate  
**Registration Number:** 30453  
**Active ingredients (a.i.):** S-Metolachlor and R-Enantiomer  
**PMRA Document Number:** 2164433

### Purpose of Application

The purpose of this application is to register a new manufacturing concentrate that contains S-metolachlor (Reg. No. 25727), a currently registered active.

### Chemistry Assessment

S-Metolachlor CS 51 Plus Manufacturing Concentrate is formulated as a microcapsule suspension containing S-metolachlor and R-enantiomer at a nominal concentration of 51.0%. This manufacturing concentrate has a density of 1.08 g/mL and pH 7.2 (1% solution in water). The chemistry requirements for S-Metolachlor CS 51 Plus Manufacturing Concentrate are incomplete. The storage stability study and corrosion characteristics study must be provided to complete the chemistry data requirements for this product.

### Health Assessments

S-Metolachlor CS 51 Plus Manufacturing Concentrate is of low acute toxicity by the oral, dermal, and inhalation routes in rats. It is minimally irritating to the rabbit eye and is non-irritating to the rabbit skin. The formulation is not a skin sensitizer in guinea pigs.

Residue and occupational exposure assessments were not required for this submission.

### Environmental and Value Assessment

Environmental and value assessments were not required for this submission.

## Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, S-Metolachlor CS 51 Plus Manufacturing Concentrate, and has found the information sufficient to register a new manufacturing concentrate that contains S-metolachlor.

## References

<b>PMRA Number</b>	<b>Title</b>
2014097	2011, S-Metolachlor TK & Benoxacor (A18272A): Summary – Toxicology profile, DACO: 4.1
2014098	2010, S-Metolachlor TK & Benoxacor (A18272A) – Acute oral toxicity study in rats, Report 14270-10, Stillmeadow, Inc., Sugar Land, TX, USA. DACO: 4.2.1
2014099	2010, S-Metolachlor TK & Benoxacor (A18272A) – Acute dermal toxicity study in rats. Report 14271-10, Stillmeadow, Inc., Sugar Land, TX, USA. DACO: 4.2.2
2014100	2010, S-Metolachlor TK & Benoxacor (A18272A) – Acute inhalation toxicity study in rats. Report 14272-10, Stillmeadow, Inc., Sugar Land, TX, USA. DACO: 4.2.3
2014101	2010, S-Metolachlor TK & Benoxacor (A18272A) – Acute eye irritation study in rabbits. Report 14273-10, Stillmeadow, Inc., Sugar Land, TX, USA. DACO: 4.2.4
2014102	2010, S-Metolachlor TK & Benoxacor (A18272A) – Acute dermal irritation study in rabbits. Report 14274-10, Stillmeadow, Inc., Sugar Land, TX, USA. DACO: 4.2.5
2014103	2010, S-Metolachlor TK & Benoxacor (A18272A) – Skin sensitization study in guinea pigs. Report 14275-10, Stillmeadow Inc, Sugar Land, TX, USA. DACO: 4.2.6
2014089	2010, Applicant Name, Trade Name and Other Names - S-Metolachlor CS 51 Plus MC, DACO: 3.1.1,3.1.3,3.1.4 CBI
2014090	2010, Formulating Plant Name -S-Metolachlor CS 51 Plus MC, DACO: 3.1.2 CBI
2014091	2010, Description of Starting Materials - S-Metolachlor CS 51 Plus MC, DACO: 3.2.1 CBI
2014092	2010, Description of Formulating Process - S-Metolachlor CS 51 Plus MC, DACO: 3.2.2 CBI
2014095	2010, Analytical Method - S-Metolachlor CS 51 Plus MC, DACO: 3.4.1 CBI
2014096	2010, Chemical and Physical Properties - S-Metolachlor CS 51 Plus MC, DACO: 3.5,3.5.1,3.5.10,3.5.11,3.5.12,3.5.13,3.5.14,3.5.15,3.5.2,3.5.3,3.5.4,3.5.5,3.5.6, 3.5.7,3.5.8,3.5.9 CBI

2072027 2003, Sales Specification – (CBI removed), DACO: 3.2.1 CBI  
2073025 2010, Establishing Certified Limits - S-metolachlor 51% Plus MUP, DACO:  
3.3.1 CBI

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