

## Evaluation Report for Category B.1.1,B.1.3 Application

**Application Number:** 2012-1736  
**Application:** New Source (site) Same Registrant, Specifications  
**Product:** Technical Touchdown Herbicide  
**Registration Number:** 28983  
**Active ingredients (a.i.):** Glyphosate [GPS]  
**PMRA Document Number:** **2295783**

### Purpose of Application

The purpose of this application was to add a new manufacturing site for Technical Touchdown Herbicide.

### Chemistry Assessment

Common Name: Glyphosate  
IUPAC Chemical Name: N-(phosphonomethyl)glycine  
CAS Chemical Name: N-(phosphonomethyl)glycine

Technical Touchdown Herbicide has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	97.1 %
Odour	No characteristic odour
Density @ 20°C	1.84 g/cm <sup>3</sup>
Vapour pressure @ 20°C	$< 1 \times 10^{-8}$ kPa
pH	1.9 (1% w/v dispersion)
Solubility in water	10 g/L (20°C)
n-Octanol/water partition coefficient (K <sub>ow</sub> )	Log K <sub>ow</sub> < -1.3

The chemistry requirements for Technical Touchdown Herbicide have been completed.

## **Health Assessments**

Technical Touchdown Herbicide is of low acute toxicity by the oral ( $LD_{50} > 5000$  mg/kg bw), dermal ( $LD_{50} > 5000$  mg/kg bw) and inhalation ( $LC_{50} > 5.04$  mg/L) routes. It is corrosive to rabbit eyes and minimally irritating ( $MAS_{24-72h} = 0.1/8$ ) to rabbit skin. This product is not a skin sensitizer in mice.

## **Environmental Assessment**

No environmental assessment was required for this application.

## **Value Assessment**

No value assessment was required for this application.

## **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of information available in support of Technical Touchdown Herbicide and has found the information sufficient to support the new manufacturing site for Technical Touchdown Herbicide.

## References

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- 2186805 Discussion of Formation of Impurities, DACO: 2.11.4 CBI
- 2186806 2012, Technical Touchdown Herbicide (formulation 3 version 1) Certification of Limits, DACO: 2.12.1 CBI
- 2186808 2010, Determination of active content and impurity profile of glyphosate (XI-001 Amended), DACO: 2.13.1,2.13.3,2.13.4 CBI
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- 2281969 2013, Corrections to the five typical batch analysis of glyphosate ([CBI Removed] (Amended), 11 March 2010), DACO: 2.13.1 CBI
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- 2184753 2011, Glyphosate Technical - Primary Skin Irritation study in rabbits - Final report amendment 1, DACO: 4.6.5
- 2184754 2011, Glyphosate Technical - Local Lymph Node Assay in the mouse - Final report amendment 2, DACO: 4.6.6

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