

## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2013-2257  
**Application:** New / Changes TGAI or ISP Prod Chemistry-New Source (site) same registrant  
**Product:** Lontrel T Technical Herbicide  
**Registration Number:** 18315  
**Active ingredients (a.i.):** Clopyralid  
**PMRA Document Number:** 2424119

### Purpose of Application

The purpose of this application was to amend the registration of Lontrel T Technical Herbicide, by adding two new sources.

### Chemistry Assessment

**Common Name:** Clopyralid  
**IUPAC Chemical Name:** 3,6-dichloropyridine-2-carboxylic acid  
 or  
 3,6-dichloropicolinic acid  
**CAS Chemical Name:** 3,6-dichloro-2-pyridinecarboxylic acid

Lontrel T Technical Herbicide has the following properties:

Property	Result
Colour and physical state	Off-white solid
Nominal guarantee	Clopyralid at 95.0%. Available chlorine present as 1-bromo-3-chloro-5,5-dimethylhydantoin and related hydantoins at 28.6% (limits 27.7-29.5%)
Odour	Pyridine like
Density	0.3 g/cm <sup>3</sup> at 20°C
Vapour pressure	1.36 mPa at 25°C
pH	1.8
Solubility in water	143 g/L at 20°C
n-Octanol/water partition coefficient	Log K <sub>ow</sub> = -2.63 (pH 7)

With the exception of the full-scale production batch data for hexachlorobenzene and pentachlorobenzene which is to be provided when available, the chemistry requirements for Lontrel T Technical Herbicide have been fulfilled.

Health, environmental and value assessments were not required for this application.

### **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 the new end-use product Lontrel T Technical Herbicide.

## References

PMRA Document Number	Reference
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2296076	2009, Group A: Product Identity & Composition, Description of Materials used to Produce the Product, Description of the Production Process, Discussion of Formation of Impurities, Preliminary Analysis & Certified Limits for Clopyralid Tech Supplemental Inf
2296080	1995, Validation Of A Method For The Assay Of [CBI INFORMATION REMOVED] LONTREL* T And LONTREL F Technical Grade Of Active Ingredients By Gas Chromatography, DACO: 2.13.1 CBI
2296082	1995, VALIDATION OF A METHOD FOR THE ANALYSIS OF IMPURITIES IN [CBI INFORMATION REMOVED] LONTREL * T AND LONTREL F TECHNICAL GRADE OF ACTIVE INGREDIENTS BY GAS CHROMATOGRAPHY, DACO: 2.13.1 CBI
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2313112	2009, Group A: Product Identity & Composition, Description of Materials used to Produce the Product, Description of the Production Process, Discussion of Formation of Impurities, Preliminary Analysis & Certified Limits for Clopyralid Tech Supplemental Info for MRIDs 43665902, DACO 2.11, 2.12
2313113	2009, Group A: Product Identity & Composition, Description of Materials used to Produce the Product, Description of the Production Process, Discussion of Formation of Impurities, Preliminary Analysis & Certified Limits for Clopyralid Tech Supplemental Info for MRIDs 43665902 DACO 2.11, 2.12
2313114	1995, Validation Of A Method For The Assay Of [CBI INFORMATION REMOVED] LONTREL* T And LONTREL F Technical Grade Of Active Ingredients By Gas Chromatography, DACO: 2.13.1 CBI

2313115	1995, VALIDATION OF A METHOD FOR THE ANALYSIS OF IMPURITIES IN [CBI INFORMATION REMOVED] LONTREL * T AND LONTREL F TECHNICAL GRADE OF ACTIVE INGREDIENTS BY GAS CHROMATOGRAPHY, DACO: 2.13.1 CBI
2401326	1986, Sodium Chloride in LONTREL F or LONTREL T Herbicidal Chemicals, DACO: 2.13.1 CBI
2401328	1993, Analysis of Hexachlorobenzene and Pentachlorobenzene in Clopyralid Herbicide, DACO: 2.13.1 CBI
2405033	2014, Summary of Quality Control Data for Clopyralid Technical Produced in 2013 (Lontrel T QC Data 2013-eChem_Nutrichem), DACO: 2.16 CBI
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