

## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2007-1392  
**Application:** B.1.1 – New Source (site) Same Registrant  
**Product:** Chlorothalonil Technical AG  
**Registration Number:** 29354  
**Active ingredients (a.i.):** Chlorothalonil  
**PMRA Document Number:** 2281622

### Purpose of Application

The purpose of this application was to register a new source (site) of manufacture for Chlorothalonil Technical AG.

### Chemistry Assessment

**Common Name:** Chlorothalonil  
**IUPAC Chemical Name:** Tetrachloroisophthalonitrile

**CAS Chemical Name:** 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile

Chlorothalonil Technical AG has the following properties:

Property	Result
Colour and physical state	white powder
Nominal concentration	99.3 %
Odour	slightly pungent
Density	0.654
Vapour pressure	$1.0 \times 10^{-7}$ (25 °C)
pH	5 – 7
Solubility in water	0.96 mg/L at 25°C
n-Octanol/water partition coefficient	$\log K_{ow} = 3.79$ at 25 °C

The chemistry requirements for Chlorothalonil Technical AG are complete.

## **Conclusion**

The PMRA has reviewed the information provided and has determined the new source (site) of manufacture for Chlorothalonil Technical AG is acceptable for registration.

## References

- 1341363 1990, Product Chemistry for Chlorothalonil Vol. 1 - Guidelines Series 61: Product Identity, Manufacturing Process, Discussion of Impurities, MRI project 9671-F, DACO: 2.11.1, 2.11.2, 2.11.3, 2.11.4
- 1378219 2006, Chlorothalonil technical material analytical profile, Sipcam study number 040/2005, DACO: 2.13.3.
- 1341366 1990, Product Chemistry for Chlorothalonil Vol. 2 - Guidelines Series 62: Preliminary Analysis, Certification of Limits, Analytical Methods to Verify Certified Limits, MRI project number 9671-F, DACO: 2.12.1,2.13.1,2.13.3,2.13.4.
- 1341374 Track 1 Microcontaminants - Attachment 2 Analytical Results from Ricerca Inc. (HCB analyses)
- 1341373 Track 1 microcontaminants- Attachment-1. Analytical results from Severn Trent Analytical services for Dioxins, furans and [CBI removed] analyses
- 1404145 Chlorothalonil batch data. [Submitted to demonstrate use of best available technology in manufacturing to reduce track 1 contaminants specifically HCB]
- 1517458 Waste 8290 Dioxins/ Furans (2007-09-26)
- 1378218 2007, DACO Part 2 - Chemistry, DACO: 2.0

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