



## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2011-1915

**Application:** Changes to TGAI product chemistry: new source (site) same registrant

**Product:** Captan Technical 1

**Registration Number:** 27904

**Active ingredient (a.i.):** Captan

**PMRA Document Number :** 2117172

### Purpose of Application

The purpose of this application was to add an alternate site of manufacture of Captan Technical 1.

### Chemistry Assessment

Common Name: Captan

IUPAC Chemical Name: *N*-(trichloromethylthio)cyclohex-4-ene-1,2-dicarboximide

CAS Chemical Name: 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1*H*-isoindole-1,3(2*H*)-dione

Captan Technical 1 has the following properties:

Property	Result
Colour and physical state	Colourless solid
Nominal concentration	95%
Odour	Pungent
Specific gravity	1.74 at 26°C
Vapour pressure	1.3 mPa at 25°C
Solubility in water	3.3 mg/L at 25°C
n-Octanol/water partition coefficient	Log Kow = 2.8 at 25°C

The chemistry requirements for Captan Technical 1 have been completed.

### Health, Environmental and Value Assessments

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

### Conclusion

An evaluation of available scientific information found that product from the new

site of manufacture is chemically equivalent to product from the precedent source(s).

## References

- 2048572 2009, Technical captan: Determination of purity and impurity profiles of six technical batches, DACO: 2.13 CBI
- 2048573 2011, Captan technical product chemistry data: Product identity and composition, description of beginning materials, description of production process, discussion of the formation of impurities, and certified limits, DACO: 2.4, 2.5, 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12, 2.12.1, 2.13.4 CBI
- 2108606 2007, Analysis and certification of product ingredients in five batches of technical grade captan, DACO: 2.13.1 CBI
- 2108609 2011, Clarification on 'Technical captan: Determination of purity and impurity profiles of six technical batches', DACO: 2.13.3
- 2114114 2009, Analysis and certification of product ingredients in technical grade captan - outline of methods and validation, DACO: 2.13, 2.13.1 CBI

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