

# TECHNICAL DATA SHEET



Trade name : d-PHENOTHRIN

## CHEMICAL IDENTIFICATION

### Nomenclature

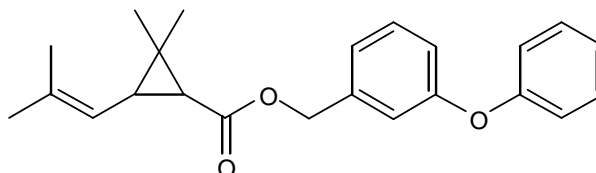
- ISO 1750 : Phenothrin (mixture of stereoisomers)
- IUPAC : 3-phenoxybenzyl (1R)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxylate
- CAS (9<sup>th</sup> Cl) : Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-, -(3-phenoxyphenyl) methyl ester, (1R)
- Others : d,cis-trans chrysanthemates of phenoxybenzyl alcohol

CAS number : 188023-86-1

Molecular formula : C<sub>23</sub>H<sub>26</sub>O<sub>3</sub>

Molecular weight : 350.46

Structural formula :  
(unspecified stereochemistry)



## PRODUCT SPECIFICATIONS

- Purity (ENDQC-91 method by HRGC) : **92.0 % w/w min.**
- Isomeric distribution
- cis/trans-chrysanthemates ratio : 20 (±5)/80(±5)
- d-chrysanthemates : 95.0 % min.\*
- Acidity number (ENDQC-96 method) : 5.0 mg KOH/g max.
- Appearance (ENDQC-94 method) : Yellow to brown transparent viscous liquid

\* Relative % of isomers

*NOTE: Endura reserves the right to make amendments to the data reported in this sheet either in compliance to any official body's updating or in agreement with Internal Company decisions. The reported information is, to the best of our knowledge, as accurate and complete as possible and is given in good faith but without warranty from our part. Any use for Registration purposes must be authorised by Endura in advance.*

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## ADDITIONAL INFORMATION

**Odour** : Slightly aromatic

**Density** : 1.058 – 1.061 g/cm<sup>3</sup> at 25°C

**Vapour pressure** : < 3.0 x 10<sup>-7</sup> hPa at 25 °C

**Solubility** : Practically insoluble in water  
Soluble in most common organic solvents

**Partition coefficient (Log Pow)** : >5.84

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