

# TECHNICAL DATA SHEET



Trade name : d-trans ALLETHRIN 75/25

## CHEMICAL IDENTIFICATION

### Nomenclature

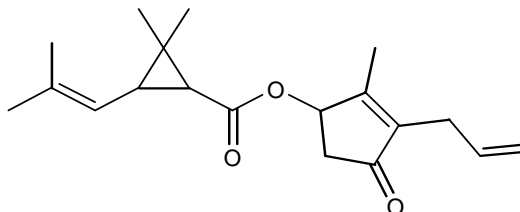
ISO 1750 : Allethrin (mixture of stereoisomers)  
IUPAC : (RS)-2-methyl-4-oxo 3-(prop-2-en-1-yl)cyclopent-2-en-1-yl (1R)-trans-2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxylate  
CA name : Cyclopropanecarboxylic acid, 2,2-dimethyl-3(2-methyl-1-propenyl)-(2-methyl-4oxo-3-(2-propenyl)-2-cyclopenten-1-yl ester, (1R,3R)  
Others : d, trans chrysanthemates of d,l allethrolone 75/25

CAS number : 260359-57-7

Molecular formula : C<sub>19</sub>H<sub>26</sub>O<sub>3</sub>

Molecular weight : 302.41

Structural formula :  
(unspecified stereochemistry)



## PRODUCT SPECIFICATIONS

Purity (ENDQC-91 method by HRGC) : **93.0 % w/w min.**

Isomeric distribution

trans-chrysanthemates ratio : 98.0 % min.\*

d-chrysanthemates : 95.0 % min.\*

d-allethronyl chrysanthemates : 75.0 (±5) % \*

l-allethronyl chrysanthemates : 25.0 (±5) % \*

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** : 1.01 g/cm<sup>3</sup> at 20 °C

**Vapour pressure** : 1.2 x 10<sup>-7</sup> hPa at 25 °C

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

**Partition coefficient  
(Log Pow)** : >2.99 at 20°C

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