

TECHNICAL DATA SHEET



Trade name : d-ALLETHRIN

CHEMICAL IDENTIFICATION

Nomenclature

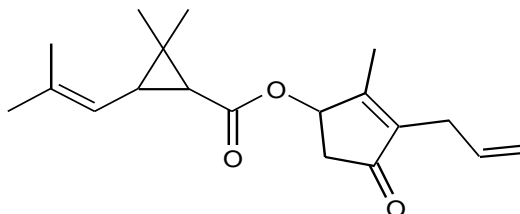
ISO 1750 : Allethrin (mixture of stereoisomers)
IUPAC : (RS)-2-methyl-4-oxo-3-(prop-2-en-1-yl)cyclopent-2-en-1-yl (1R)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxylate
CA name : Cyclopropanecarboxylic acid,2,2-dimethyl-3-(2-methyl-1-propenyl)--2-methyl-4-oxo-3-(2-propenyl)-2-cyclopenten-1-yl ester,(1R)
Others : d,cis-trans chrysanthemates of d,l-allethrolone 50/50

CAS number : 231937-89-6

Molecular formula : C₁₉H₂₆O₃

Molecular weight : 302.4

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.*

d-allethronyl chrysanthemates : 50.0 (±5) % *

l-allethronyl chrysanthemates : 50.0 (±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 : 1.0078 g/cm³ at 20 °C

Refractive Index : 1.5064 at 20°C

Vapour pressure : 1.4×10^{-7} hPa at 25 °C

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

Partition coefficient (Log Pow) : 4.88

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