

# TECHNICAL DATA SHEET



Trade name : TETRAMETHRIN TECHNICAL GRADE

## CHEMICAL IDENTIFICATION

### Nomenclature

ISO 1750 : Tetramethrin  
IUPAC : (1,3-dioxo-1,3,4,5,6,7-hexahydro-2H-isoindol-2-yl)methyl(1RS)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxylate  
CAS (9<sup>th</sup> Cl) : 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)methyl ester  
Others : TTM

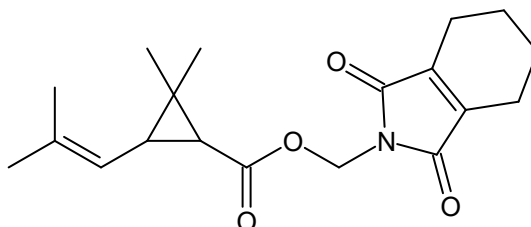
CAS number : 7696-12-0

EC number : 231-711-6

Molecular formula :  $C_{19}H_{25}NO_4$

Molecular weight : 331.41

Structural formula :  
(unspecified stereochemistry)



## PRODUCT SPECIFICATIONS

Purity (ENDQC-13 method by HRGC) : 95.0 % w/w min.  
Cis/trans-ratio (ENDQC-14 method by HRGC) : 20 (±5)/80(±5)  
Acidity number (ENDQC-11 method) : 5.0 mg KOH/g max.  
Moisture (ENDQC-100 method) : 0.5% w/w max.  
Appearance (ENDQC-17 method) : White to ivory granules

*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 phenolic odour

Bulk density : 0.40-0.50 kg/dm<sup>3</sup>

Vapour pressure :  $<2.7 \times 10^{-7}$  hPa at 25 °C

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

Partition coefficient (Log Pow) : >4.09

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