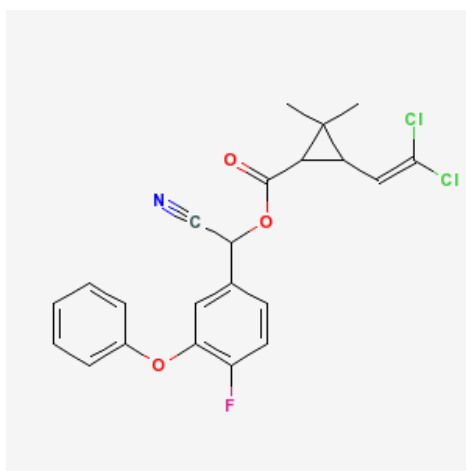




TECHNICAL DATA SHEET

CYFLUTHRIN TECHNICAL

Chemical Name (CA)	Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2- dimethyl-, cyano(4-fluoro-3-phenoxyphenyl)methyl ester
Chemical Name (IUPAC)	(RS)- α -cyano-4-fluoro-3-phenoxybenzyl (1RS,3RS;1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
CAS No.	68359-37-5 (unstated stereochemistry)
EU Index No.	607-253-00-1
EU No.	269-855-7
CIPAC No.	385
Structural formula	



Molecular formula	C ₂₂ H ₁₈ Cl ₂ FNO ₃
Molecular Mass	434.4 g/mol
Content in Technical grade	Min. 955 g/kg (Sales Specification 102000008861 - Version 3)

Isomer ratios:

Isomer I	23 - 27 %
Isomer II	17 - 21 %
Isomer III	32 - 36 %
Isomer IV	21 - 25 %



PHYSICAL AND CHEMICAL PROPERTIES

Description of appearance:	brown viscous mass with crystalline parts
Freezing range	ca. 7 °C
Boiling point/boiling range	Not measurable, decomposition above 250°C
Flash point	107 °C
Ignition temperature	415 °C
Vapour pressure	< 0,0000001 hPa at 25 °C
Density	ca.1,28 g/cm ³ at 20 °C
Water solubility	< 0,005 mg/l at 20 °C
Partition coefficient in n-octanol/water	log Pow: 5,9 - 6,0 at 20 °C
Solubility in other solvents	Isopropanol: 4 - 27 g/l at 20 °C
Solubility in other solvents	Xylene: > 250 g/l at 20 °C
Solubility in other solvents	Acetone: > 250 g/l at 20 °C
Viscosity, kinematic	ca. 30.000,0 mPa.s at 25 °C

REQUIREMENTS FOR STORAGE AREAS AND CONTAINERS

Keep containers tightly closed in a dry, cool and well-ventilated place.

Store in original container.

Store in a place accessible by authorized persons only.

Please read carefully the Safety Data Sheet

Date 13 November 2013

Pascal Blondaz
Global Regulatory Manager