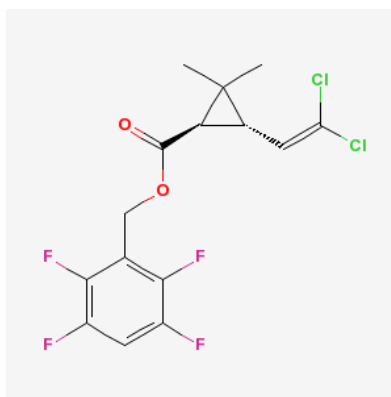


TECHNICAL DATA SHEET

TRANSFLUTHRIN TECHNICAL

Chemical Name (CA)	(1 <i>R</i> - <i>trans</i>)-(2,3,5,6-tetrafluorophenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate
Chemical Name (IUPAC)	2,3,5,6-tetrafluorobenzyl (1 <i>R</i> ,3 <i>S</i>)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
CAS No.	118712-89-3
EU Index No.	607-223-00-8
EU No.	405-060-5
CIPAC No.	741

Structural formula



Molecular formula	C ₁₅ H ₁₂ Cl ₂ F ₄ O ₂
Molecular Mass	371.15 g/Mol
Activity and Chemical class	Insecticides - Pyrethroids
Content in Technical grade	Min. 985 g/kg (Transfluthrin is the 1 <i>R</i> trans-isomer only)

Impurities

Toluene	Max. 3 g/kg
Tetrafluorobenzyl alcohol	Max. 3 g/kg

PHYSICAL AND CHEMICAL PROPERTIES

Description of appearance:	off-white needles with a toluene-like odour (Technical grade)	
Freezing range	21 - 22°C	
Melting point	32°C	
Boiling point/boiling range	242°C at 1.033 hPa	
Flash point	119°C at 1.013 hPa	
Ignition temperature	415°C	
Explosive properties	not explosive	
Vapour pressure	9x10 ⁻⁴ Pa at 20°C	
Relative Density	1.3856 at 20°C	
Water solubility	0,057 mg/l at 20 °C	
Partition coefficient in n-octanol/water	log Pow: 5,46	
Solubility in other solvents	Ethanol:	completely miscible in any ratio
	n-Hexane:	completely miscible in any ratio
	Toluene:	completely miscible in any ratio
	Dichloromethane:	completely miscible in any ratio
	Acetone:	completely miscible in any ratio
	Ethyl acetate:	completely miscible in any ratio
	Dimethylsulfoxide:	completely miscible in any ratio
Viscosity, dynamic	181.9 mPa.s at 20°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 March 6, 2017



Pascal Blondaz
Global Regulatory Manager