



TECHNICAL DATA SHEET

Standard grade

Product name	Z-12-Tetradecenyl acetate	Product code	EP00023
CAS No.	35153-20-9	Pheromone code	12Z-14:OAc
Molecular formula	C ₁₆ H ₃₀ O ₂	Molecular weight	254.41

Specification

Property	Specification	Method
Appearance	Clear, colourless to pale yellow liquid	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)
Isomeric purity (12Z)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

Storage and handling

Storage conditions	2–8 °C, protected from light, tightly closed	Retest period	24 months
Packaging	1 kg; 25 kg	Safety	See Safety Data Sheet

Application (literature reference)

Pheromone type	Sex pheromone
Target species	Ostrinia furnacalis (Asian corn borer)
Order / family	Lepidoptera: Crambidae
Crops	Corn
Reported blend components	E-12-tetradecenyl acetate; tetradecyl acetate (14:OAc)
Reported blend ratio	E-12-tetradecenyl acetate: 53:47 (E:Z) tetradecyl acetate (14:OAc): about 1.8 times the sum of the E- and Z-12-tetradecenyl acetate isomers
Dispenser loading	1 x 10 ⁻⁷ to 1 x 10 ⁻⁵ g
Key reference	doi:10.1007/bf00992382; doi:10.1002/arch.21996