



TECHNICAL DATA SHEET

Standard grade

Product name	(E)-12-Tetradecenyl acetate	Product code	EP00043
CAS No.	35153-21-0	Pheromone code	12E-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 (12E)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

Physical properties (literature reference)

Density	0.878 g/cm ³	Flash point	87.2 °C
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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	(Z)-12-tetradecenyl acetate; tetradecyl acetate (14:Ac)
Reported blend ratio	(Z)-12-tetradecenyl acetate: 53:47 (E:Z) tetradecyl acetate (14:Ac): about 1.8 times the sum of the other two isomers
Dispenser loading	1 × 10 ⁽⁻⁷⁾ - 1 × 10 ⁽⁻⁵⁾ g per trap
Key reference	doi:10.1007/bf00992382; doi:10.1002/arch.21996